

Semi-annual Environmental Monitoring Report

Project Number: 42414-043

Reporting period: July-December 2020

GEORGIA: SUSTAINABLE URBAN TRANSPORT INVESTMENT PROGRAM, Tranche 3

(Financed by the Asian Development Bank)

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ANNEXES:

ANNEX1: NCR reports

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Abbreviations

ADB	Asian Development Bank
EA	Executing Agency
EARF	Environmental Assessment and Review Framework
EIA	Environmental Impact Assessment
EIP	Environmental Impact Permit
EMP	Environmental Management Plan
EPSM	Engineering Procurement and Construction Management
GoG	Government of Georgia
SUTIP	Georgian Sustainable Urban Transport Investment Program
IA	Implementing Agency
IEE	Initial Environmental Examination
MDF	Municipal Development Fund of Georgia
MFF	Multi-tranche Financing Facility
MEPA	Ministry of Environmental Protection and Agriculture
MRDI	Ministry of Regional Development & Infrastructure
SSEMP	Site-Specific Environmental Management Plan

INTRODUCTION

1.1 Preamble

1. This report represents the Semi - Annual Environmental Monitoring Review (SAEMR) for **Modernization of Tbilisi-Rustavi Section of the Tbilisi-Red Bridge (Azerbaijani Border) Road** (Section 2) project.
2. This report is the 8th EMR for the project.

1.2 Headline Information

3. Upgrading and improvement of local transport and transport-related infrastructure plays a significant role in the development of Georgia's urban infrastructure. To this effect, a number of important activities have been implemented and financed from the budget of Georgia and from other sources. Recently several significant programs, financed through state budget, loans and grants, have been implemented with this regard. The program will provide efficient, reliable and affordable urban transport infrastructure and services, thereby increasing economic growth potential and competitiveness of urban communities, improving livelihoods of over 1.5 million people (approx. 35% of Georgian population). SUTIP, T3 includes(a) Construction of an approximately 6.8 kilometers 4-lane urban road link between the cities of Rustavi and Tbilisi, including a 2 kilometers urban boulevard and recreational areas; The project will also: (I) improve urban, environment and communities' access to economic opportunities and to public and social services; (II) promote efficient and sustainable urban transportation; and (III) generate income and employment opportunities. The environment classification for Tranche 3 is Environmental Category B, as the impacts under subprojects SUTIP T3 are site specific and can be addressed through mitigation measures. For environmental category B, Initial Environmental Examination (IEE) was required. The environmental categorization of sub-projects was conducted by using ADB's Safeguard Policy Statement.

2 PROJECT DESCRIPTION AND CURRENT ACTIVITIES

2.1 Project Description

4. The Municipal Development Fund of Georgia is an Executing Agency for the Modernization Project of Tbilisi-Rustavi Section (Sections I, II and III) of Tbilisi-Red Bridge (Azerbaijan Border) Road. Civil Works for Section I (KM0+000~KM4+000) and Section III (KM10+800~KM17+055) were successfully completed in 2016.

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5. Currently, EA is executing the Civil Works Contract (No. P42414-SUTIP3-ICB-3.02-2015) for Section II (KM4+000~ KM10+800) which passes through settlement of Phonichala. Detailed list of ongoing activities during the reporting period is given in article 2.3 below. For the photo materials, see table 1.
 6. Initially, the contract considered modernization of the road with total length of 6.8 km, which was divided into three Phases, the Dates of site accesses to the mentioned Phases were set as shown below and the Commencement Date was scheduled on Feb 28, 2017.
 - **Phase I- Part 1**-KM4+000~KM5+100 and **Part 2**- KM8+600~KM10+800 - 3.3km
Site access: 7 days after the Commencement Date- i.e. **March 7, 2017**
 - **Phase II** – KM5+100~ KM6+900 -1.8km
7 months after the Commencement Date-i.e. **September 1, 2017**
 - **Phase III** - KM6+900~ KM8+600 -1.7km
12 months after the Commencement Date-i.e. **March 1, 2018**
 7. 730 days were set for the Time for Completion for the whole of the works and construction activities at Phase I commenced as scheduled.
 8. Full site access to the Phase II was not granted to the Contractor due to an issue related to the reinforcement of annexes of the buildings that are located adjacent to the Project RoW. Such reinforcement could not be carried out as the property owners had objection to the activities needed for building reinforcement. However, reinforcement was needed as mentioned annexes were voluntarily constructed and did not comply with any safety regulations or construction norms. In the industrial zone within Phase II, the Contractor was eventually granted access to an 800m section (Km58+40~KM66+40) of Phase II in August 2018., where they partially constructed foundations of three sections (60m) of Retaining Wall (RW). Besides said section of RW, only Site clearance activities were completed in the Phase II area (KM5+100~ KM6+900).
 9. Partial access to Phase III was granted to the Contractor at KM 6+900~KM7+400 and KM8+300~ KM8+600. Although the Contractor had access to the parts of Phase III, it was impossible to complete all construction activities at KM 6+900~KM7+400 due to high voltage overhead power lines, which needed to be relocated if the Project was to be fully completed. Therefore, only earthworks along with some part of drainage works and utility relocations were completed at the Section between KM6+900~KM7+400. Works at Phase III will be fully completed only within a 300m section i.e.

KM8+300~ KM8+600. Such 300m section of Phase III falls exactly on the alignment of the Existing road.

10. Since the 300m section of Phase III (KM8+300~KM8+600 which is adjoining to the Part 2 of Phase I) is followed by Part 2 of Phase I (KM8+600~KM10+755), and at both of these sections works are to be completed fully in line with the design, it can be considered that Part 2 of Phase I is extended and re-established.

2.2 Project Contracts and Management

11. The Lender of the Project is ADB, PIU-Municipal Development Fund of Georgia; EPCM consultant - JV "Dohwa Engineering Ltd" (Korea). The contract for Tbilisi-Rustavi urban link (Section 2) Construction Works was signed with Sezalnsaat San. Ve Tic. Ltd. STI (Turkey) on December 12, 2016. The main institutions involved in IEEs/EMPs/SSEMPs implementation and monitoring, are the executing agency (EA) - MDF, the Supervision Consultant (SC), the Construction Contractor and to a lesser extent the Ministry of Environmental Protection and Agriculture and Municipal Authorities. EA (MDF) and SC are responsible for ensuring monitoring of the project implementation at the construction stage. Ministry¹ of Environmental Protection and Agriculture has the authority for periodic audits but should not be considered as a party responsible for monitoring according to the SSEMP. As it was mentioned above, MDF is responsible for general implementation of all safeguards tasks. EA (MDF) and SC (DOHWA) are responsible for ensuring monitoring of the project implementation at the construction stage, while Tbilisi City Hall and Road Department of the Ministry of Infrastructure and Regional Development at the road operation stage.
12. MDF ensures availability of all environmental information and facilitates environmental supervision of the project. The MDF's local environmental specialist's responsibilities in respect of implementation of the IEE/SSEMP, are to: ensure that all relevant IEE/SSEMP requirements (including environmental designs and mitigation measures) are incorporated into the project bidding documents; Assist Contractors to obtain necessary permits and/or clearance, as required, from any relevant government agencies; Ensure that all necessary regulatory clearances are obtained before commencing any civil work on the project; Ensure, that contractors have access to the EMP and IEE report and understand their responsibilities to mitigate environmental problems associated with their construction activities and facilitate training of their staff in implementation of the EMP; Approve the Site-Specific

Environmental Management Plan (SEMP) prepared by the Contractor before he takes possession of construction site; Time-to time monitor the contractor's implementation of the SEMP in accordance with the environmental monitoring plan by conducting site monitoring visits.

- 13.** The MDF through its Environmental Specialist, reports to the ADB in every 6 months on the status of environmental compliance of construction works by preparing semi-annual Environmental Monitoring Reports. In case unpredicted environmental impacts occur during the project implementation, prepares and implement as necessary an environmental emergency program in consultation with relevant government agencies and ADB.
- 14.** The supervisor company (SC) of works commissioned by MDF is responsible to establish strong field presence in the Project area and keep a close eye on the course of works. Construction Supervision Company is responsible for supervision of all environmental issues during project implementation. Along with ensuring consistency with the design and ensuring quality of works, the supervisor is mandated to track implementation of EMP/SSEMP by the Construction Contractor and reveal any deviations from the prescribed actions.
- 15.** Environmental issues are managed by Supervision Company DOHWA responsible for:

 - Reviewing and approval of environmental documentation, submitted by contractor;
 - Preparing quarterly progress reports;
 - Monitoring of construction activities, issuing NCRs;
 - Relationship with contractor and employer;
 - Support of contractor in obtaining of environmental permits and licenses;
 - Correspondence with Employer, contractor and local authorities.
- 16.** Environmental specialist of technical supervisor should assess how accurate is the factual information provided in the contractor's reports, fill any gaps identified in them, and evaluate adequacy of mitigation measures applied by contractor. Technical supervisor must highlight any cases of non-compliance with EMP/SSEMPs, inform on any acute issues brought up by contractor or revealed by supervisor himself, and propose corrective actions.

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- 17.** During implementation of construction activities Engineer`s environmental specialist time to time conducts environmental meetings and site inspections. In case of observation of significant non-compliances Engineer fills non-conformity report forms and sends them officially to Contractor. Most important issues, which cannot be managed by HSE department, are subject of review during weekly meetings. In case of emergency, contractor officially asks support of Employer, in the range of its competence, refers to relevant ministries and local authorities.
 - 18.** Thus, non-compliance notice has to be issued to the contractor if the SC requires action to be taken. The contractor is required to prepare a corrective action plan which needs to be implemented by a date agreed with the SC. Non-compliance should be ranked according to the established criteria.
 - 19.** SC company prepares quarterly progress reports, which cover the implementation of the SSEMP, discrepancies from the SSEMP and list all HSE relevant incidents and accidents that occur during the implementation; Submits periodic reports based on the monitoring data and laboratory analysis.
 - 20.** CC is obliged to follow EMP/SSEMP good construction practice during construction activities. In order to meet this obligation, Contractor has established environmental management team and procedures. The Contractor has contracted environmental consultancy company “GAMMA Consulting”, responsible for environmental monitoring of construction activities and development of thematic reports required under EIA, IEE and ADB guidelines and Georgian legislation. ‘GAMMA Consulting’ will monitor construction activities during whole period of project implementation.
 - 21.** Construction Contractor (SEZA) appointed a full time Health, Safety and Environmental Manager (HS&EM), which was a senior member of the construction management team based on site, for the duration of the contract. The construction contractor`s Environmental team responsible for implementation of EMP/SSEMP by daily environmental monitoring and reporting.
 - 22.** Key responsibilities of the environmental team of the CC are preparation of the Site-Specific Environmental Management Plan (SEMP) for approval by the Employer (EA), prior to the Contractors taking possession of the construction site; Ensure that the SSEMP is implemented effectively throughout the construction period; Carry out the monitoring and mitigation measures set forth in the IEE/EMP/SSEMP; Establish an operational system for managing environmental impacts; Allocate the

budget required to ensure that such measures are carried out. Construction contractor is responsible to prepare monthly progress reports on SEMP implementation, which should contain information on the main types of activities carried out during the reporting period, status of any clearances/permits/licenses which are required for carrying out such activities, mitigation measures applied, and any environmental issues that have emerged in relations with suppliers, local authorities, affected communities, etc.

23. The CC submits reports of the carrying out of such measures to the employer on a monthly basis; establishing and maintaining site records of:

- Weekly site inspections using check-lists based on SEMP;
- Environmental accidents/incidents including resolution activities;
- Environmental monitoring data;
- Non-compliance notifications issued by the SC;
- Corrective action plans issued to the SC in response to non-compliance notices;
- Community relations activities including maintaining complaints register/complaints log-book;
- Monitoring reports;
- Routine reporting of SEMP compliance and community liaison activities;
- Ad hoc reporting to the Employer's Engineer of environmental incidents/spillages including actions taken to resolve issues.

24. Information on environmental issues, arising from the construction activities should be immediately brought to the attention of MDF's national environmental Consultant and safeguards team by the environmental specialists of construction and Supervision Companies', in order to coordinate efforts and ensure immediate mitigation of impacts, protect the environment and safeguard the health and welfare of the local communities.

2.3 Project Activities during Current Reporting Period

25. July-August 2020 Monthly Highlights:

- Shrub and Grass watering
- Drainage D-400 pipe construction with accompanying activities, pipe testing, washing.
- The Contractor started preparation for railway underpass construction, in particular:

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- Sub-Contractor is mobilized
 - Materials was submitted to the Construction site
 - Reinforcement preparation works is ongoing

26. August-September 2020 Monthly Highlights:

- Shrub and Grass watering
- Measurement and dismantling of the building on Marneuli st.
- Construction of Retaining wall for Marble Shop is ongoing
- Pavement of Asphalt on the Top of the sewer system
- The Contractor started preparation for railway underpass construction, in particular:
 - Reinforced concrete details for pier columns and beams, reinforcement and concrete pouring works is ongoing.
- Concrete pour of precast foundation started, 18 units pour completed, no delays on the progress
- Reinforced concrete pier sections totally 24 pieces of pier.
- The Contractor started bringing vaulted superstructures for Tunnel Construction (Viacon) and other necessary materials.

27. September-October Monthly Highlights:

- Shrub and Grass watering
- Railway Construction works is ongoing
- As Built Drawings is submitted to the Engineer and it's under checking and reviewing of the engineers Snag List preparation is ongoing.

28. November-December Monthly Highlights:

- Shrub and Grass watering
- Tree planting fully completed at Tbilisi Sea area. Totally, 8720 trees were planted. From this 2500 trees were planted in March and 1120 Walnuts (Juglas Regia) red data trees – 4100 – Olive trees and 1000 Almond trees were planted in September-October 2020.
- Railway Construction works is ongoing:
- Gabion Construction works on the West and East portals;
- Compaction works and filling works using geogrid and geosintetic;
- Preparation and compaction of the road for Asphalt Pavement under the Tunnel and etc.
- Defects given in Punch List rectification works is ongoing in the Carriageway, sidewalks, in tunnel pk46+824 retaining walls and on the Footbridges.

29. The overall physical progress of works is 100 %.

Table 1. Photographs of construction activities

Preparing trenches for Pipe relocation	Preparing trenches for Pipe relocation
	
Preparing Pipes for installation Rectangular Shiplap	
	
Trench excavation works	
	

Railway underpass construction



Pipeline installation



Watering



Railway underpass construction works



Poring concrete for Marabda Retaining wall



Dismantling the building at the Marneuli str.



Finishing of the Trees planting works on the Tbilisi Sea



Plants watering



Gabion construction works on the Railway underpass



Railway underpass construction works: Concrete pouring



Road construction at the Railway Underpass area	
	
Arrangement of the road unbonded pavement layers	
	
Tunnel defects fixing works	Railway Underpass finishing works

Map 1. Work site areas for period July-December 2020



2.4 Description of Any Changes to Project Design

- 30.** Due to the complaint of Marabda restaurant (PK46.00) owner, design of access road to the restaurant has been changed. There were not any changes to the project design from that which was assessed in the Impact Assessment phase of the project and is set out in the Initial Environmental Examination/Environmental Impact Assessment during reporting period.
- 31.** There were not any significant changes in the design, according which the Employer/Contractor had to update the EIA/IEE and/or Environmental Management Plans during the reporting period.
- 32.** Since the Project is being completed only at Phase I instead of Phases I, II and III, the Donor assigned the Parties to conduct the study and prepare Due Diligence Report (DDR) identifying negative impact (if any) in terms of safety, environment and social aspects of the Project. It was also instructed, to establish relevant mitigation measures for each negative impact identified during the Study. Mitigation measures given in said DDR shall be incorporated in one of the Variation Orders to reflect cost of works needed to mitigate negative impact (if any) by the Project. Variation Order #4 was submitted by the Contractor reflecting his Proposal for all additional work volumes executed on Site. Such Variation Proposal was submitted in a disarray manner and the Contractor was instructed to correct his submission and make it reviewable. Moreover, DD Method Statements were incorporated and submitted to ADB. The document includes all the actions that should be carried out by the contractor, before the works are over. One of the required action to be implemented by the civil works contractor in accordance with the DDR, EIA and IEE prepared for the Project, is compensation planting of the plants in lieu of cut off trees (1,5 tree in lieu of 1 cut off tree and 1:10 ones of the Red List) in Tbilisi and Gardabani Municipalities. Totally 8720 trees were planted in Tbilisi Municipality, (adjacent to the Tbilisi Sea) by the CC, in particular: 4100 Olive trees, 1500 Almond Trees, 1620 Walnuts (Juglas Regia), 500 Grayish Oaks, Maple 500, Common Ash – 500. Moreover, in Gardabani Municipality Walnut (Juglans Regia) and Olive trees were planted in full accordance with the agreements with Gardabani City Hall in the tree plantation season.

2.5 Description of Any Changes to Agreed Construction methods

- 33.** There were not any changes of construction methods during reporting period.

3. Environmental Safeguard activities

3.1. General Description of Environmental Safeguard Activities

34. Site supervision and inspections, as well as monitoring of compliance of construction activities are important aspects to ensure the proper implementation of EMP/SSEMP requirements. Environmental management team of Construction and Supervisor Companies carry out permanent supervision activities and monitoring of the project performance on regular basis.
35. Due diligence report, which was prepared in June 2019 and approved by ADB in August 2019, indicated environmental, social and safety measures, which should be implemented before completion of the Project, has been prepared by DOHWA team during reporting period. In the table provided below a summary has been provided detailing all the outstanding actions that must be completed prior to the completion of the Project. The reason why all these activities have been suspended for so long is related to suspension of main construction activities, which itself is related to financial issues between EA and CC and Covid-19 outbreaks.

Table 2. List of actions that must be completed prior to the completion of the Project

Outstanding Issue	Action Required for completion	Proposed date for completion
Hazardous and non-hazardous waste is still disposed in construction corridor and camp site	<ul style="list-style-type: none">- All type of waste should be transferred to licensed sub-contractors.- Acts of acceptances should be submitted to the Supervising Engineer	Before completion of the Project
Open excavations at several locations within construction corridor	<ul style="list-style-type: none">- For all sites in the short-term they need to be made safe. This means placing barriers around each site or covering.- In the long-term these sites need all be completed and made safe to the local community, livestock and wildlife. This will still be in the scope of the Contractors work and should be completed prior to them leaving the site	Immediately Before completion of Project
The construction camp is still being actively used and a decision to demolish/conservate the	<ul style="list-style-type: none">- In case of a prospect to continue with the project, it will be desirable to conserve the existing buildings and premises, as well as utilities and	Before completion of Project

construction camp still needs to be made following the negotiations between the Client and the Contractor	water treatment plant and remove only all kind of waste from the territory. - Following the final decision to permanently suspend the project or following its completion, it will be necessary to dismantle all premises and put the territory to its original state	
Access roads	- All access roads, used during implementation of the Project should be reinstated to preconstruction condition, or better.	Before completion of Project
Reinstatement	- All affected areas should be reinstated and covered with topsoil; reinstated slopes of embankment should be protected from erosion processes	Before completion of Project
Material Storage Site	- At PK 6+900-7+140 the temporarily spoil stockpile should be made safe, landscaped and reseeded as necessary to avoid dust.	Before completion of Project
Compensatory tree planting ¹	- Trees should be planted according Tbilisi City Hall and Gardabani municipality requirements	September 2020
Following the works in Mtkvari River, long sections of reinforcement bars are protruding from the river	- Reinforcement bars should be cut on the concrete structure level.	August 2020
Mtkvari River reinstatement	All permanent footprint left in the Mtkvari River should be removed and slopes restored to allow natural revegetation. Should any visible footprint be retained, as per SPS requirements for No Net Loss, equivalent reinstatement will need to be implemented.	Before completion of Project
Conditions of Environmental Permit and National requirements	- The Contractor should implement Environmental permit and national requirements and submit any relevant documents to the government for approval.	Before completion of Project

¹ In the reporting period, in Tbilisi Municipality, the 8720 trees were planted in the prior agreed area.

Changing of work scope	- The Client is obliged to develop the document of screening the changes made to the project and agree it with the Ministry of Environment Protection and Agriculture of Georgia.”	Before completion of Project
Waste Code of Georgia	- As far as the quantity of the household waste, produced during implementation of project is 5 times more, then quantity, provided in the Waste Management Plan, the Contractor should update WMP and submit it to the Ministry for approval.	Before completion of Project

36. In the reporting period, in accordance with the DDR, EIA and IEE prepared for the Project, compensation planting of the plants in lieu of cut off trees (1,5 tree in lieu of 1 cut off tree and 1:10 ones of the Red List) in Tbilisi Municipality was carried out. At this stage, 8720 trees were planted in Tbilisi Municipality, (adjacent to the Tbilisi Sea) by the CC, in particular: 4100 Olive trees, 1500 Almond Trees, 1620 Walnuts (Juglas Regia), 500 Grayish Oaks, Maple 500, Common Ash – 500. Moreover, in Gardabani Municipality Walnut (Juglans Regia) and Olive tree were planted in full accordance with the agreements with Gardabani City Hall in the tree plantation season.

Table 2. Tree Planting in Tbilisi Municipality





3.2. Site Audits

37. MDF’s representative - construction monitoring engineer Davit Kejerashvili is permanently on site. Due to COVID 19 outbreaks and related restrictions, weekly meetings also were not available to be conducted in a regular base.

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

38. Non-compliances related to road safety and wrong reinstatement issues have not been recorded during this reporting period. Any significant violations of HSE procedures have not been recorded during July-December 2020 reporting period.

Table 3. Non-Compliance Reports revealed during the 2019-02.2020 project implementation period

N of NCR	Date of submission	Description of Non-Compliance	Corrective action required	Performance Date of Corrective actions
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079	15.08.2019	<p>On the surface of the whole sections are noted the stratification of the concrete and sinks. The remaining from formwork mount gaps are not filled with concrete mix. The expansion joints were not properly treated after the concrete pouring process. The cracks are noted on the edges of the sections. The surface of the Retaining wall is covered with mud smudges. At the entrance of the Tunnel, the median dividing concrete strip is covered with chips.</p>	<p>Dissimilarity of the concrete mix. Insufficient vibration process of the poured concrete. Poor cleaning and insufficient lubrication of the formworks. Poor quality joints between sections.</p>	<p>Closed 29.11.2019</p>
081	20.08.2019	<p>The installation of the expansion joints shall be completed: In compensators "penoplast" temporary valves should be replaced with porous fillers.</p> <ul style="list-style-type: none"> - Rubber gaskets are not arranged in the anti-seismic stops. - Framework stretching armatures is not cut from pier columns. - Concrete surface (except pair columns) is uneven in concrete cracking's. - Hand rails surface is uneven and welding's are visible, and the metal elements of some sections is not painted properly with anti- corrosion paint. - Water removal pipes are not installed on footbridges and 	<p>The Contractor is not following the work conditions and requirements:</p> <ul style="list-style-type: none"> - Unevenness of concrete mixture - Pawing concrete in above 300, without future carte of the concrete mixture. 	<p>Closed 04.11.2019</p>

		<p>water intake pipes are installed with poor quality.</p> <ul style="list-style-type: none"> - There is an urgent need to repair construction crack in middle platform pk88+20, on the right side of the bridge. In the same bridge on the right side the Contractor should finish mortar of the cement with sand-gravel mix. 		
082	20.08.2019	<ul style="list-style-type: none"> - Framework stretching armatures is not cut from pier columns. - In the both pier columns the surface is uneven, the concrete is covered with cracks and sinks. - The Concrete surface is uneven. - The rubber gaskets are not installed in anti-seismic stops. - Handrail section in No.1 column (on the right side) should be arranged according the project slope, taking in consideration the benchmark. - New expansion joints should be installed on the right side if the bridge. 	<ul style="list-style-type: none"> - Suppliers should ensure timely submission of necessary materials. - Work requirements should be performed completely. 	Closed 04.12.2019
083	10.09.2019	<p>Filling the dividing strip with top soil at the PK 89+00.</p>	<p>Asphalt pieces and used tires should not be disposed in dividing strip. The Contractor should not be filling dividing strip with top soil and burying the waste.</p> <p>Before filling of dividing strip all types of waste</p>	Closed 16.09.2019

			should be removed from it.	
3/71	24.05.19	Stone Curbs are opened and people are using them as a carriage way.	The Contractor should close opened stone curbs	n/a
84	30.01.20	Plastic parapets was removed by the local people to cross the road and it may cause traffic accident	The contractor should install concrete parapets	closed 13.03.2020
85	28.02.20	Damaged Road Sign and concrete parapets	The contractor should avoid accident on the mentioned area and repair damaged road sign and install it properly. Additionally, the dividing line should be filled with concrete parapets.	Closed - 10.03.20

3.4. Unanticipated Environmental Impacts or Risks

39. There were not identified any unanticipated environmental impacts and risks in the current period, which were not identified in the Environmental Impact Assessment report.

4. Results of environmental monitoring

3.5. Overview of Monitoring Conducted during Current Period

40. As in the reporting period, no large-scale construction works were carried out, that required movement of heavy machinery and works were done far from the populated area (The nearest populated area is in 200-250 meters radius), noise and air quality measurements have not been performed accordingly. The Contractor should continue environmental monitoring of construction activities to ensure proper implementation of mitigation measures, considered by SEMP, IEE and EIA reports.

3.5.1. Cumulative Resource Utilization

Table 4. Utilization of power, water and gas for whole project life

Year	Month	Electricity, Kw/h	Water, m ³	gas, m ³
2017	May	0	330,2043883	1201,863354
	June	6869,415385	348,1965735	736,9565217
	July	11181,53846	462,4977457	780,7453416
	August	13994,09231	430,748422	728,5714286
	September	12523,38462	524,9413886	1601,552795
	October	9612,307692	516,4743012	4419,875776
	November	10517,16923	806,4592726	6206,832298
	December	13051,50769	320,2945597	8050,621118
2018	January	13200,8	548,097385	8534,161491

	February	12760,73846	611,1091073	6965,217391
	March	13340,92308	958,1725278	6469,565217
	April	9620,430769	1708,307785	4068,63354
	May	11101,53846	895,1608055	1804,658385
	June	13199,93846	726,1316501	1104,968944
2019	July	17100,98462	967,1746318	1045,341615
	August	13240,8	803,1439735	955,9006211
	September	9960,615385	894,1599038	1103,73913
	October	9740,553846	737,1325518	2800
	November	11320,67692	653,1169222	7037,006211
	December	16460,98462	733,1319507	8575,006211
2020	January	6760	593	6063
	February	5860	757	4948
	March	5580	1459	3075
	April	24980	1002	2037
	May	11600	91	773
	June	2460	546	501
	July	-	881,81	357,76
	August	-	848,54	390,44
	September	263,27	1587,27	512,56
	October	715,04	3657,03	1474,04
	November	1020,56	2821,8	1868,78
	December	1410,58	748,71	2299,64
Total	Total	289 447,85	28 967,82	98 491,22

3.6. Waste Management

41. During implementation of construction activities, the Contractor was daily collecting waste, generated on construction sites and disposed it on camp site. Household waste was removing from camp site twice per week by the sub-contractor, Kenari Ltd. Used oil mainly was used for lubricating of timbering, remaining part is stored on camp site and will be transferred to Sanitari Ltd. Material, excavated from the Construction corridor is stored within the RoW at PK 7 cannot be considered as waste, because it will be used for construction of embankment on phase 2 and 3.

3.6.1. Current Period

Month	Location	Quantity of Waste (m ³)		Comment/reference
		Household	hazardous	
July	Camp area	15	0	Household waste was passed to the Kenari Ltd, used oil was used for lubricating of timbering, 0.1 m ³ of polluted rags and used oil filters are stored on camp site at hazardous waste storage area. During next reporting period hazardous waste, stored on camp site will be delivered to Sanitari Ltd
August	Camp area	15	0	
September	Camp area	15	0	
October	Camp area	15	0	
November	Camp area	-	0	
December	Camp area	-	0	

3.6.2. Cumulative Waste Generation

42. Mostly waste is producing in result of maintenance of construction equipment, functioning of camp and excavation of construction corridor. Nonhazardous waste is transferring to the sub-contractor, Kenari Ltd, for disposal of hazardous waste the Contractor has signed agreement with Sanitari Ltd. Were possible the Contractor use excavated material for filling of embankment and used oil- for lubricating of timbering.

3.7. Health and Safety

3.7.1. Community Health and Safety

43. No major incidents have been revealed during the reporting period.

3.7.2. Worker Safety and Health

44. There were no any H&S incidents on the construction sites during reporting period. The Contractor has the log book for registering of incidents/accidents and near misses and sends incident reports to the SC.

45. No traffic accidents have been recorded in result of abovementioned violations of traffic safety procedures.

- NCRS

3.8. Training

46. One HSE training has been conducted regarding COVID 19 during reporting period. Relevant training records are prepared and kept at the camp site (See Annex.2).

3.9. Grievance Redress Mechanism (GRM)

47. In order to provide a direct channel to the affected persons for approaching project authorities and have their grievance recorded and redressed in an appropriate time frame, Grievance Redress Mechanism was established with efforts of MDF.

48. Complaints' registration journal was created and available at construction site. Complaints' from the local people, regarding the environmental safeguard issues in case of their disturbance and inconvenience, because of improper or inadequate implementation of EMP/SSEMP, can be accepted in both places. Complaints would be registered in database system, assigning compliant number with date of receipt. Complainants are provided with information about the timing and deadline of reviewing the complaints, in which the corrective actions will be undertaken, in case if the raised concern is valid. Thus, every complaint would be filed in Complaints Logbook, and problems would be resolved in accordance with rules and regulations under the control of the supervising site manager and DOHWA's local Environmental Specialist, and if necessary with involvement of MDF side as well.

49. Grievances to be handled at the level of CC or SC include:

- Social concerns related to contractor activity;

-
- Environmental management;
 - Community safety.

50. The issues listed below were not included if the GRM for CC or SC and were directed to MDF's safeguard Unit:

- land acquisition,
- valuation,
- compensation,
- entitlements,
- public consultations and meetings or delivery of information (e.g. results of environmental monitoring).

51. CC maintains a grievance logbook at all sites and register queries / complaints / concerns (both written and verbal). A copy of logbook, together with status update on pending grievances, should be submitted, through SC, to MDF's SU on a bi-monthly basis. A summary of grievances reported and closed by CC is submitted to MDF and ADB as part of semi-annual EMR.

52. There were no grievances logged during this reporting period.

53. For resolution of the complaint (Marneuli str.), guidance was provided by ADB to MDF and MRDI in letters dated 27 June 2019, 6 September 2019, 16 January 2020 and 27 February, 2020 respectively, to ensure compliance with ADB's Safeguards Policy Statement (SPS).

54. The Grievance Redress Commission of MDF reviewed the issue of Marneuli Str. APs on March 10th, 2020. The Commission decided to pay extra sums of compensation to Marneuli Str. APs, as per the evaluation made by COLLIERS INTERNATIONAL | GEORGIA and ADB recommendations. Due to sensitivity of Marneuli case, the Commission decided the extra sums of compensation to be placed at depository – escrow account.

55. Based on the decision made by the Commission, MDF addressed to the Government of Georgia (GoG) for allocating the funds from the state budget for ensuring paying of extra compensations. However, due to the COVID-19 pandemic, the GoG was able to only sign the Decree, approving the compensation for 4 APs and that decree was signed on July 2nd, 2020 (N 1136). As soon as the decision by the GoG was made, MDF commenced the procedures for placing of extra sums of compensation at depository account.

56. On July 23rd, 2020, the representatives of MDF with ADB Consultant, met with the APs residing at #10, #21, #25 and #33 of Marneuli Str. The face-to-face meeting with each household was conducted separately. The representatives of MDF informed the APs of Marneuli Str. about the details of the Report, developed by COLLIERS INTERNATIONAL | GEORGIA amount of compensation. In addition, they were explained that the compensations would be placed at depository account. The APs were informed how they would be able to receive the additional compensation. The MDF representatives responded thoroughly to the questions asked by APs.

57. On the 12th of August, 2020, the compensation was allocated from the state budget of Georgia onto the depository (escrow) account. APs of Marneuli Str. were notified immediately by the phone call of MDF representative about the allocation. Additionally notary sent official notices to the beneficiaries about the deposit (escrow) of their compensation sums.

58. Status of Complaints submitted to the CRP during the previous reporting periods are summarized below:

- On 14 March 2016, at least 81 residents of building N12 in the Ponichala area of the road section 2 of the Rustavi Highway forwarded a complaint to the Compliance Review Panel (CRP) through the Complaint Receiving Officer (CRO) of the Accountability Mechanism of the ADB's Board to authorize a full compliance review of the project. On the whole, six groups of affected persons filed complaints with OCRP. The complainants alleged that they were not properly consulted about the impact of the Project and the proposed mitigation measures. OCRP found ADB out of compliance with its operational policies and procedures.
- On 15 November 2016, based on compliance review, CRP issued a draft compliance review report to the complainants, MDF and ADB project team.
- On the 13 February 2017 CRP submitted its final report for the above project. The CRP found the project non-compliant with ADB's operational policies and procedures in six aspects: (i) noise impacts, (ii) vibration impact, (iii) impacts on vulnerable groups, (iv) impacts on water and river ecology, (v) consultations, and (vi) environment categorization of the project. The report found air quality impact compliant.
- In order to bring the project back into compliance, and in response to the findings of the CRP report, ADB project team and MDF proposed to undertake an integrated approach involving additional studies for noise impact, impact on the river ecology and iterative targeted consultations at the community level with a particular focus on the vulnerable. This approach was considered to be

instrumental in identifying suitable solutions that are technologically feasible, cost effective, and compliant with all relevant standards. Also, as required by ADB's Safeguard Policy Statement, consultations with communities must continue throughout the project, or if there are changes in the project. An action Plan and the schedule of actions were proposed and agreed. ADB shared drafts of the additional studies with the CRP after finalization of the results.

- Final Solution was reviewed in March 2018 and disclosed in April/May 2018. Following the disclosure MDF and the project team have begun the preparation of concept designs and other documents required to process civil works and supervision contract variations.
- The Remedial Action Plan (RAP) is to be implemented over a period of three (3) years, to be completed by June 2020. ADB and MDF have initiated activities that feed into the RAP to bring the project back into compliance.

59. Implementation of the RAP became impossible largely as a result of the opposition of the community to the project. Affected people (AP) have not allowed access to the buildings for completion of detailed engineering assessment of structures and for establishing what works need to be done for strengthening of annexes. As a result, road works cannot be initiated in the area and other designs mitigation measures cannot be finalized. Remaining works under Phase II and Phase III cannot be completed by loan closing date.

60. On 22 February 2019 MDF sent a letter to MRDI with request to omit Phase II and III from the project. On the bases of MDF and MRDI letters on 8 April 2019, MOF requested ADB to remove remaining works under phases II and III from the Project as the connection between the subsections improved under phase I will be materialized through the existing road in Ponichala instead of the alignment as envisaged under Section 2. This alternative seeks to maximize the results of the Project before the MFF closing. In addition, a government decree was issued on 10 May 2019 authorizing MDF to initiate procedures to omit remaining works under phases II and III from the civil works contract.

- Due diligence was prepared by MDF and Engineer Dohwa and was submitted to ADB on 6 May 2019. The Final Due diligence report was submitted to ADB in June 2019.

61. Implementation Status of DDR report is summarized below:

- Before the Omission of Phase II and Phase III the following works are conducted on the unfinished stretch of the road: 1. Reinforced Concrete Box Culvert is finished Pk71+40 (1.5x2m) no need any

kind of conservation/restoration works; 2. Box Culvert Pk73+00 (1.5x2m) is finished no need any kind of conservation and remediation works, box culvert is in working condition; 3. Earthworks are conducted at Pk62+64, 4. Retaining Wall construction is started at Pk62+40-Pk63+00 but not finished. Remediation includes cutting down the rebar and corrosion control measures.

- Mitigation measures for safety improvement for Ponichala road section, reflected under the DDR, aimed at improving access and movement possibilities for the people with disabilities. Regarding these issues, MDF addressed to relevant entities concerning regulating traffic/speed. Hence, the speed was restricted to 40 km/hour and several pedestrian crossings were equipped with signs and alarms, designated for visually impaired people. The local Police installed two special smart cameras with the radar speed meter, regulating the speed of the vehicle. Control by cameras resulted in significant decrease of vehicle speed in this particular section of the settlement, since each driver violating the speed is being fined immediately and is informed of that by either phone message or email notification. The traffic lights are comfortable for pedestrians, since the traffic lights are equipped with specific voice signals and are designated for safety of visually impaired people.
- In accordance with the DDR, EIA and IEE prepared for the Project, compensation planting of the plants in lieu of cut off trees (1,5 tree in lieu of 1 cut off tree and 1:10 ones of the Red List) in Tbilisi Municipality was carried out. At this stage, 8720 trees were planted in Tbilisi Municipality, (adjacent to the Tbilisi Sea) by the CC, in particular: 4100 Olive trees, 1500 Almond Trees, 1620 Walnuts (*Juglans Regia*), 500 Grayish Oaks, Maple 500, Common Ash – 500. What about works for planting of remaining amount of trees (Walnut, Almond tree) in Gardabani Municipality is ongoing and Walnut (*Juglans Regia*) and Olive tree will be planted in full accordance with the agreements with Gardabani City Hall in the tree plantation season.
- Table 5 below shows waste management status during the Jul-Dec 2020 reporting period.

Table 5. Waste Status

Waste at the Construction Camp:	Status of waste
Roots of the cut-down trees (30m ³)	Most Part of the roots is removed from camp site
Used tires (20m ³)	Waste is not removed from camp site
Ferrous metal waste (8m ³)	Waste is removed from camp site

Damaged plastic barriers (15m ³)	Waste is removed from camp site
Hazardous waste originated during the construction (10m ³).	Hazardous waste is not observed in camp site
Waste along the Road Corridor	Status of waste
A hardened body filled with concrete, which belongs to the concrete mixer, which was turned over as a result of a car accident PK 9+750.	Waste is removed
Concrete and construction waste is to be removed from PK 4+900 (Fig. 2-4).	Waste is removed
A noise attenuating wall and fencing material for the construction site is to be removed from section PK 5+980-6+780.	Waste is removed
Information boards are to be removed from PK 6+300 (Fig. 2-8).	Waste is removed
Concrete laid beyond the corridor borders is to be removed from PK 9+890, area adjacent to Krtsanisi Park (Fig. 2-9).	Waste is removed
160,000 m ³ inert spoil material and blocks are stored along section PK 6+900-7+140 (Fig. 2-10).	Waste is not removed

5. Functioning of the SEMP

3.10. SEMP Review

- 62.** The Contractor considers SEMP requirements during implementation of construction activities and provide adequate monitoring and mitigation measures on all construction sites. Sometimes due to staff turnover, minor HSE violations happened on construction sites, which were resolved by the Contractor immediately after the Engineer`s instruction.
- 63.** In general, SEMP is effective, and mitigation measures are set out and do not need to be changed. Statures of preparation of Environmental Management Plans are given in Annex 1.
- 64.** Currently, alternative mitigation measures are not necessary for successful implementation of the Project.
- 65.** There are no any mitigation measures, which could be reduced or removed as the specific risk identified in the IEE/EIA and/or SEMP has not materialized.

6. Good practice and opportunity for improvement

3.11. Good Practice

66. No examples of good practice could be presented during reporting period. All performance was implemented within planned activities.

3.12. Opportunities for Improvement

67. The Contractor uses local road, locating along constructing highway near construction camp for transportation of construction materials and did not paved asphalt on it to prevent it`s damage by heavy trucks. In the result, dust from the unpaved road can disturb local people. It is recommended to spray water on the local road each morning, or pave asphalt on it as soon as possible.

7. Summary and Recommendations

7.1 Summary

68. Implementation of environmental safeguards during reporting period were generally implemented in accordance with SEMP, IEE and EIA requirements. In case of minor non compliances the Contactor was improving them immediately after the Engineer`s verbal instruction. Significant violations of HSE procedures were subject of filling of non-conformity reports by the Engineer. Implementation of the Due Diligence Report has not started during the reporting period, except planting of trees in Tbilisi and Gardabani Municipalities.

7.2 Recommendations

69. In summary, the following actions are recommended for the next reporting period:

- Transfer hazardous and construction waste, stored on camp site and in construction corridor to licensed sub-contractor-Before completion of project.

-
- Following the final decision to permanently suspend the project or following its completion, it will be necessary to dismantle all premises and put the territory to its original state.
 - Remove all kind of remaining waste from the camp site for the next reporting period.

ANNEXES:**Annex 1**

Status of Management plans

No	Name of Plan	Preparing by/ Prepared by	Deadline submission/ Date preparation (status)	for of	Agreed with/ Approved by
1	Pre-construction survey of flora and fauna within the RoW	Prepared by GAMMA Consulting	May 5, 2017		Approved by DOHWA and MDF
2	Emergency Response Plan	Prepared by GAMMA Consulting	April 5, 2017		Approved by DOHWA and MDF
3	Waste Management Plan	Prepared by GAMMA Consulting	May 15, 2017		Approved by MoEPA DOHWA and MDF
4	Top Soil Management Plan	Prepared by GAMMA Consulting	June 10, 2017		Approved by DOHWA and MDF
5	Communication plan with local people	Prepared by GAMMA Consulting	June 20, 2017		Approved by DOHWA and MDF
6	Traffic management plan; it shall include Community Safety and a Community Liaison Management Plan	Prepared by GAMMA Consulting	January 25, 2018		Approved by DOHWA and MDF
7	Camp site management plan, layout plan of the work camp and sanitary facilities, including a description of wastewater treatment and disposal	Prepared by GAMMA Consulting	July 10, 2017		Approved by DOHWA and MDF
8	Cultural Heritage Management Plan	Prepared by GAMMA Consulting	January 25, 2017		Approved by DOHWA and MDF

9	Health and Safety Plan	Prepared by GAMMA Consulting	July 18, 2017	Approved by DOHWA and MDF
10	Tree felling and landscape management plan	Prepared by GAMMA Consulting	August 7, 2017	Approved by DOHWA and MDF
11	A method statement on the management of dust and noise from material transport (including construction of temporary noise barriers)	Prepared by GAMMA Consulting	July 17, 2017	Approved by DOHWA and MDF
12	Vibration control management plan (for 9 buildings)	Preparing by DRC	April 22, 2018	Approved by DOHWA and MDF
13	SSEMP for phase 1 and phase 3	Prepared by GAMMA Consulting	May 2018	Approved by DOHWA and MDF
14	SSEMP for phase 2	Prepared by GAMMA Consulting	May 2018	Approved by DOHWA and MDF
15	Building reinforcement plan	Prepared by the Contractor	May 2018	The concept methodology and relevant concept drawings have been approved by the Engineer and submitted to the Employer for further instructions
16	Oil separators construction plan	Prepared by the Contractor	May 2018	The concept methodology and relevant concept drawings have been approved by the Engineer and submitted to the Employer for further instructions
17	Vulnerable Groups Mitigation Plan	Prepared by the Contractor	20.01.2018	The concept methodology and

				relevant concept drawings have been approved by the Engineer and submitted to the Employer for further instructions
18	Reinstatement management plan (tree planting plan)	Has not been submitted	May 2018	Will be submitted in August 2019
19	Due Diligence report	Prepared by the Contractor	July 2019	Approved by Dohwa and MDF
20	Due Diligence Method Statements	Prepared by the Contractor	August 2019	Approved by Dohwa and MDF

Annex 2: Training records

Training regarding COVID 19



კომპანიის წესების გაცნობა COVID 19-ის ფარგლებში

ქ. თბილისი

* * 2020 წ.

შე. შპს „როუდ კონსტრუქშენ“-ის თანამშრომელი, ჭ. სიგომეცია (პ.ნ. 3500103629), ვადასტურებ, გაცემა COVID 19-თან მიზართვებაში საქართველოს კანონმდებლობით გათვალისწინებულ წესებს, ინსტრუქციას და სახელმწიფო დადგენილებებს ასევე კომპანია ფარგლებში საჭირო უსაფრთხოების წიომ დაცვათან დაკავშირებით საბუნაო სივრცეში. უცნობ აღნიშნულის გათვალისწინებით ვიღებ პასუხისმგებლობას კეთილ თაყუდ რომ ყველდღიურ რეჟიმში შევასრულებ ჩემს უშუალო დატვირთვარტულუებს საქართველო კანონმდებლობით არსებულ წესებს, ინსტრუქციებსა და რეგულაციებს COVID 19-ის ფარგლებში გაცეკონტროლებ აღნიშნული წესებისა და ინსტრუქციების სისრულეში მოცემას საბუნაო სივრცეში.

შპს „როუდ კონსტრუქშენ“-ის თანამშრომელი

ხელმოწერა

საქართველოს იკუთვრებული ტერიტორიებიდან დევნილია, შრომის, განმრთვლობისა და სოციალური დაცვის მინისტრის ბრძანება N41-227/თ (2020 წლის 29 მაისი, ქ თბილისი) სამუშაო ადგილებზე ახალი კორონავირუსის (COVID-19) გავრცელების თავიდან აცილების მიზნით რეკომენდაციების, აზიზადიისა და კარანტინის წესების დამტკიცების შესახებ საქართველოს მთავრობის 2020 წლის 23 მაისის N322 დადგენილების გათვალისწინებით კომპანია არიუდ ქონსორჯმენ-ის მიერ შემუშავებული წესების, პროცედურების, პრევენციული და სხვა სახელდებულად გასატარებელი ღონისძიებების სამოქმედო გეგმისა და დოკუმენტაციის გაცნობის დამადასტურებელი დანართი.

ვადსტურებ, რომ გავეცანი კომპანია არიუდ ქონსორჯმენ-ის მიერ დამტკიცებულ კვებოთ ჩამთვლილ დოკუმენტაციას:

- ინფექციური დაავადებისთვის შხადიკონის და რეაიერების გეგმა;
- სამუშაო პროცესის წარმართვის წესები ეპიდემიური/მანდემიური მდგომარეობის პირობებში;
- საექვი შემთხვევებზე რეაიერების წესები;
- ნარჩენების მართვის ინსტრუქცია.




Name, surname of the employee თანამშრომლის სახელი, გვარი	Signature, date ხელმოწერა, თარიღი
მარიამ ქვიციანი	25.05.20
ნინო სხვადიძე	25.05.20
ირინა სხვადიძე	25.05.20
ზაზა ჭხეშვილი	25.05.20
მხვილძე მიმდიანელი	მხვილძე მიმდიანელი 25.05.20
ქვინიკიანი ნინო	ნ. ქვინიკიანი 25.05.20
ვასილი ლავროვი	ვ. ლავროვი 25.05.20
ვინო ლავროვი	ვ. ლავროვი 25.05.20
მხვილძე დიმიტრი	მ. მხვილძე 25.05.20
ვინო ლავროვი	ვ. ლავროვი 25.05.20
	25.05.20

ახალი კორონავირუსული (COVID-19) ინფექციის საწინააღმდეგო
ძირითადი პროფილაქტიკური ღონისძიებების შემსრავლებელი
ტრენინგის კურნალი

#	თარიღი	სახელი/ გვარი	ხელმოწერა
	25.05.20	კვლეა ჯგერელი	კ. კვლეა
	25.05.20	თაყაიძე ასკანადი	თ. თაყაიძე
	25.05.20	თაყაიძე ასკანადი	თ. თაყაიძე
	25.05.20	ზინა ზინაძე	ზ. ზინაძე
	25.05.20	ბახვიანი პინკაშვილი	ბ. ბახვიანი
	25.05.20	ტყეშელაშვილი შალვა	შ. ტყეშელაშვილი
	25.05.20	ქალაქიანი ლევანი	ლ. ქალაქიანი
	25.05.20	ქალაქიანი ლევანი	ლ. ქალაქიანი
	25.05.20	ბახვიანი პინკაშვილი	ბ. ბახვიანი
	25.05.20	ქალაქიანი პინკაშვილი	პ. ქალაქიანი

Annex 3 Non-Conformance Reports

NCR # 85

 NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Director Ltd.	
NCR CODE / აქტის კოდი: NCR-85			
REQUESTING PARTY / მომხმარებელი მხარე			
Company / კომპანია	Dohwa	Department / დეპარტამენტი	Quantity Surveyor
Name / სახელი	მ. Tskhadivili	Date / თარიღი	08.02.2020
NON-CONFORMANCE / შეუსაბამობა			
Works Concerned / Location / Section / მუქანაშპო საბუნარო დეპარტამენტი / მონაკვეთი	Pk 83		
REQUIREMENTS / მოთხოვნები / მოთხოვნები	To avoid accident on the mentioned area the Contractor should repair damaged road sign and install it properly. The dividing line should be filled with concrete parapets		
DESCRIPTION OF NON-CONFORMANCE / შეუსაბამობის აღწერილობა	Damaged Road sign and concrete parapets		
POSSIBLE ROOT CAUSE / შეუსაბამობის წარმოშობის შესაძლო მიზეზები.	Traffic incident		<input type="checkbox"/> Material <input checked="" type="checkbox"/> Manpower <input type="checkbox"/> Equipment <input type="checkbox"/> Design <input type="checkbox"/> Method <input type="checkbox"/> Process <input type="checkbox"/> Other / სხვა
Attached Documents / მიბმული დოკუმენტაცია			
STEP 1 - IDENTIFICATION / ეტაპი 1: აღწერა			

NCR CODE / აქტის კოდი: NCR-85

REMEDIAL WORKS PROPOSAL / CORRECTION: Install road sign and concrete parapets.
 აღდგენითი/გამოსასწორებელი სამუშაოები:

CLOSURE DATE / დახურვის თარიღი:

CORRECTIVE ACTION (to avoid recurrence): გამოსასწორებელი ქმედებები/გამწივობების თავიდან ასაღივლებლად:

REVIEW by DESIGNER (if requires): დამპროექტებლის კონტრაქტი (საჭიროების შემთხვევაში):

Name / სახელი	Elia Tukhaashvili	Position / პოზიცია	Quantity Surveyor	Date / თარიღი	28.02.20	Signature / ხელმოწერა	
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CLIENT'S APPROVAL ON REMEDIAL WORKS / CORRECTION: დამკვეთის თანხმობის გამოსაჩვენებელი საშუალებები/გამოსაჩვენებელი საშუალებები

Comments / კომენტარი:

Name / სახელი: _____ Date / თარიღი: _____ Signature / ხელმოწერა: _____

RESPONSIBLE FOR THE CLOSURE OF NCR: შეუსაბამობის აქტის დახურვაზე პასუხისმგებელი: _____

COMPANY: / კომპანია: _____
PERSON: / პირი: _____



VERIFICATION OF CLOSURE OF THIS NCR / INSPECTION: შეუსაბამობის აქტის დახურვის დამოწმება/ინსპექცია

Attachment attached original document: _____

	Site Inspector / ზედამხედველი	The Contractor / მშენებელი	The Engineer / ინჟინერი
Comment / კომენტარი	Closed	Road signs and concrete parapets are installed	Closed
Name / სახელი	Egm	S. KARADDEAN	S. H. MORAN
Date / თარიღი	10.03.20	05.03.2020	2020.3.10
Signature / ხელმოწერა			



NCR # 84

 DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd.	
NCR CODE / აქტის კოდი: NCR-84					
STEP 1 : IDENTIFICATION/ეტაპი 1: იდენტიფიკაცია	REQUESTING PARTY / მომთხოვნი მხარე				
	Company: / კომპანია	Dohwa	Department: / დეპარტამენტი	Quantity Surveyor	
	Name: / სახელი	Ili Tukhashvili	Date: / თარიღი	30.01.2020	
	NON-CONFORMANCE / შეუსაბამობა				
	Works Concerned / Location / Section: / შეუსაბამო სამუშაოს მდებარეობა/წინა კვეთი	Pk 112			
REQUIREMENT(S) / References: / მოთხოვნა/ ნიშნავლება	Install Concrete parapets				
DESCRIPTION OF NON-CONFORMANCE / შეუსაბამობის აღწერა	The Plastic parapets was removed by the local people to cross the road and it may cause traffic accident.				
POSSIBLE ROOT CAUSE: / შეუსაბამობის წარმოშობის შესაძლო მიზეზები.	<input type="checkbox"/> Material / მასალი <input checked="" type="checkbox"/> Manpower / მუშახელი <input type="checkbox"/> Design / პროექტი <input type="checkbox"/> Method / მეთოდი <input type="checkbox"/> Process / პროცესი <input type="checkbox"/> Other სხვა				

NCR CODE / აქტის კოდი: NCR-84

Attached Documents / მიხმული დოკუმენტაცია



STEP 2: REMEDY / ცეცხი 2: გამოსწორება

REMEDIAL WORKS PROPOSAL / CORRECTION:
გამოსწორების შემთხვევაში
გამოსწორების
გამოსწორების
CLOSURE DATE: / დახურვის თარიღი
CORRECTIVE ACTION (to avoid recurrence):
გამოსწორების
გამოსწორების
გამოსწორების

The dividing line is to be filled with concrete parapets that are tightly closed to each other, in both sides. Pk 112 was used by the Contractor during construction works and traffic diversions.

DEMOLISH / REJECT / დაშლის ან უარყოფა
 USE "AS IS" / არცხელის დატოვება

REVIEW by DESIGNER (if requires): დამპროექტებლის კონტრაქტი (აჭიროების შემთხვევაში):

NCR CODE / აქტის კოდი: NCR-84

Name/ სახელი	ile Tukhashvili	Position/ პოზიცია	Quantity Surveyor	Date/ თარიღი	20.01.20	Signature/ ხელმოწერა	
CLIENT'S APPROVAL ON REMEDIAL WORKS / CORRECTION/დასველების თანხმობის განცხადებით							
სარემონტო/კორექციონი							
Comments: კომენტარი							
Name/ სახელი		Date/ თარიღი		Signature/ ხელმოწერა			

STEP 3 : CLOSURE/იტების საბოლოო დახურვა	RESPONSIBLE FOR THE CLOSURE OF NCR/შეუსაბამობის აქტის დახურვაზე პასუხისმგებელი:		COMPANY: კომპანია	
			PERSON: პირი	
	VERIFICATION OF CLOSURE OF THIS NCR / INSPECTION/შეუსაბამობის აქტის დახურვის დამოწმება/ინსპექცია			
	Attachment /თანგი არსობს ფაქტობრივად			
		Site Inspector / ბედამბედეველი	The Contractor / მშენებელი	The Engineer / ინჟინერი
Comment / კომენტარი		closed	closed	
Name / სახელი		Sadik KARASHVILI	S. H. M. ...	
Date / თარიღი	13.03.20	13.03.2020	2020.3.13	
Signature / ხელმოწერა				

