

INITIAL ENVIRONMENTAL EXAMINATION

Project number: 40253-023

July 2016

LOAN 2721-VIE: BIODIVERSITY CONSERVATION CORRIDORS GREATER MEKONG SUB-REGION PHASE 2

Subproject: Upgrading Concrete Road to A Banh 2 Village, Tr'Hy
Commune, Tay Giang District, Quang Nam Province

Prepared by Quang Nam Provincial Project Management Unit – for the Central Project
Management Unit, Ministry of Natural Resources and Environment, for the Asian Development
Bank

QUANG NAM PROVINCIAL PROJECT MANAGEMENT UNIT

**BIODIVERSITY CONSERVATION CORRIDORS
GREATER MEKONG SUB-REGION – PHASE 2**

SUBPROJECT

CONCRETE ROAD TO A BANH 2 VILLAGE



Initial Environmental Examination (IEE)



GREATER MEKONG
SUBREGION
CORE ENVIRONMENT
PROGRAM

CURRENCY EQUIVALENTS

\$1,00 = 21.458 VND

ABBREVIATIONS

ADB	-	Asian Development Bank
AP	-	Affected people
BCC	-	Biodiversity Conservation Corridors Greater Mekong Sub-region Project
CPC	-	Commune People's Committee
CPMU	-	Central Project Management Unit
DONRE	-	Department of Natural Resources and Environment
DPC	-	District People's Committee
EM	-	Ethnic Minority
EMDF	-	Ethnic Minority Development Framework
EMP	-	Environmental Management Plan
EPP	-	Environmental Protection Plan
IEE	-	Initial Environmental Examination
MONRE	-	Ministry of Natural Resources and Environment
PPC	-	Provincial People's Committee
PPMU	-	Provincial Project Management Unit
RF	-	Resettlement Framework
UXO	-	Unexploded Ordnance

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I. INTRODUCTION

1. The project "Biodiversity Conservation Corridors Greater Mekong Sub-region, Phase 2 (referred to as Project BCC) is sponsored by Asian Development Bank to be conducted in three provinces namely Quang Tri, Thua Thien Hue, Quang Nam. In Quang Nam Province, the sub-projects will be conducted in 13 communes of Nam Giang and Tay Giang Districts. The objective of the project is to create biodiversity corridor system in these three provinces in order to restore and maintain the coherence of the ecosystem in the region; contribute to adaptation; mitigate to climate change in Central Annamites; provide benefits to local livelihoods, provide safe water environment; improve and upgrade of infrastructure projects in commune areas under the project.

2. As a part of the BCC Project, "Concrete Road to A Banh 2 Village" subproject will be implemented in Tay Giang district, Quang Nam province.

3. This Initial Environmental Examination/ Environmental Protection Plan (IEE/EPP) document have been prepared to meet the environmental safeguards requirements of the ADB¹ and GOV². The IEE/EPP contains the following information:

- (i) Section II contains a description of the subproject;
- (ii) Section III contains a description of the environmental conditions in the vicinity of the subproject;
- (iii) Section IV contains a describes of the potential environmental impacts of the subproject;
- (iv) Section V contains the environmental mitigation plan;
- (v) Section VI contains the environmental monitoring plan;
- (vi) Section VII describes the public consultation and disclosure activities that were carried out in December 2015;
- (vii) Section VIII describes the institutional arrangements for environmental management activities and the institutional strengthening activities that will be required to be undertaken;
- (viii) Section IX contains the environmental monitoring and reporting system for the subproject.

4. This report was attached with a Rapid Environmental Assessment (REA) Checklist for road works and Environmental Categorization Form.

¹ ADB Safeguards Policy Statement SPS 2009

² Law on Environment Protection No.55/2014/QH13; Decree No.18/2015/ND-CP and No.19/2015/ND-CP

II. DESCRIPTION OF SUBPROJECT

Table 1: General information of subproject

DATA ITEMS	SUBPROJECT DATA
GENERAL INFORMATION	
Subproject Name	Concrete Road to A Banh 2 Village
Subproject Type	Upgrading existing rural road
Subproject owner	Quang Nam Provincial Project Management Unit of "GMS Biodiversity Conservation Corridors – phase 2 (Quang Nam PPMU)
Address of Subproject owner	No. 18 Le Lai Street, Tam Ky city, Quang Nam province
Name and title of Head of Project owner	Mr. Nguyen Vien. Director of Quang Nam PPMU
Telephone, fax and email details of Project owner	Tel: 0510.3827.799 Fax: 0510.558.456 Email: bcc.qnam@gmail.com
Name of Environmental Officer of PPMU	Mr. Nguyen Van An – Coordinator Mr. Nguyen Viet Thuan – Safeguard officer
Telephone, fax and email details of PPMU Environmental Officer	1. Mr. Nguyen Van An Tel: 0975.360.929 Email: antnmt@gmail.com 2. Mr Nguyen Viet Thuan Tel: 0983121025
SUBPROJECT DESCRIPTION	
New project or rehabilitation project	Road upgrading subproject
Designed level of the road	Rural road level C
Designed speed	15 km/h
Designed parameters of the road Road width (m) and length (m)	Length: 1,712.98 m - Cross-section: + Roadbed width: 3.0m; + Road surface width: 3.0m;
Surface structure	Cement concrete surface type M200, thickness 18cm, buffer foundation with grit of thickness 10cm
Construction on the road	9 concrete pipe culverts will be constructed along the whole subproject road Ra Nol stream flow along the subproject road from the starting point then crosses the road at Km0+786.86. A suspension bridge is already existed and it is still in good condition.
Length of drainage systems	Existing drainage system along road side will be improved

DATA ITEMS	SUBPROJECT DATA
Clearance area	None
Project particular features	The subproject connects the centre of Tr'Hy commune to A Banh 2 village. The total length of the subproject is nearly 1713 m, starts from T-junction with Provincial Road No.606 to A Banh 2 village. Ra Nool stream running along the subproject road from the start point then crosses at Km0+786.86. 2km from the end point of the subproject (A Banh 2 village) is natural forest of Tr'Hy commune.
CONSTRUCTION ACTIVITIES	
Construction commencement date (month/year)	February 2017
Construction completion date (month/year)	June 2017 (4 months)
Number of construction workers	About 20-30 workers
Construction camps required (Yes/No)	Yes. One camp There are 2 locations suitable for setting up temporary camp for workers but one of them is close to Ra Nool stream. They are plain and large enough.
- Construction in rainy season (Yes/No)	- No. The subproject will be constructed in 4 months in dry season.
Location, area and description of material source	Sources of material: - Stone: from Ahu Quarry in Tay Giang district, 32km from the site. This quarry has operation permission from Quang Nam PPC. - Sand: to make concrete mixture taken from the Song Voi sand reserves, A Ting commune, Dong Giang district. It is 90 Km away from the construction site and was authorized by PPC to serve construction activities in the province. - Filling soil: from soil mine (500 m ³) and 800 m from the starting point of the subproject, and was authorized by Tr'Hy CPC. - Other materials such as cement, steel... bought from To Vieng town, A Tieng commune, Tay Giang district, 32 km from construction site.
Balance and management measures for excess spoil	Excavation soil will be reused for filling purpose. Filling soil: 595 m ³ Excavation soil: 2100 m ³ of which 1428 m ³ will not be reused and transfer to the temporary dumping site as agreed with Tr'Hy CPC (about 10 m from the subproject road)
Approximate types and quantities of raw construction materials	- The quantities of concrete, sand, soil are indicated in the detailed design. The approximate quantities are: - 791 tons of concrete

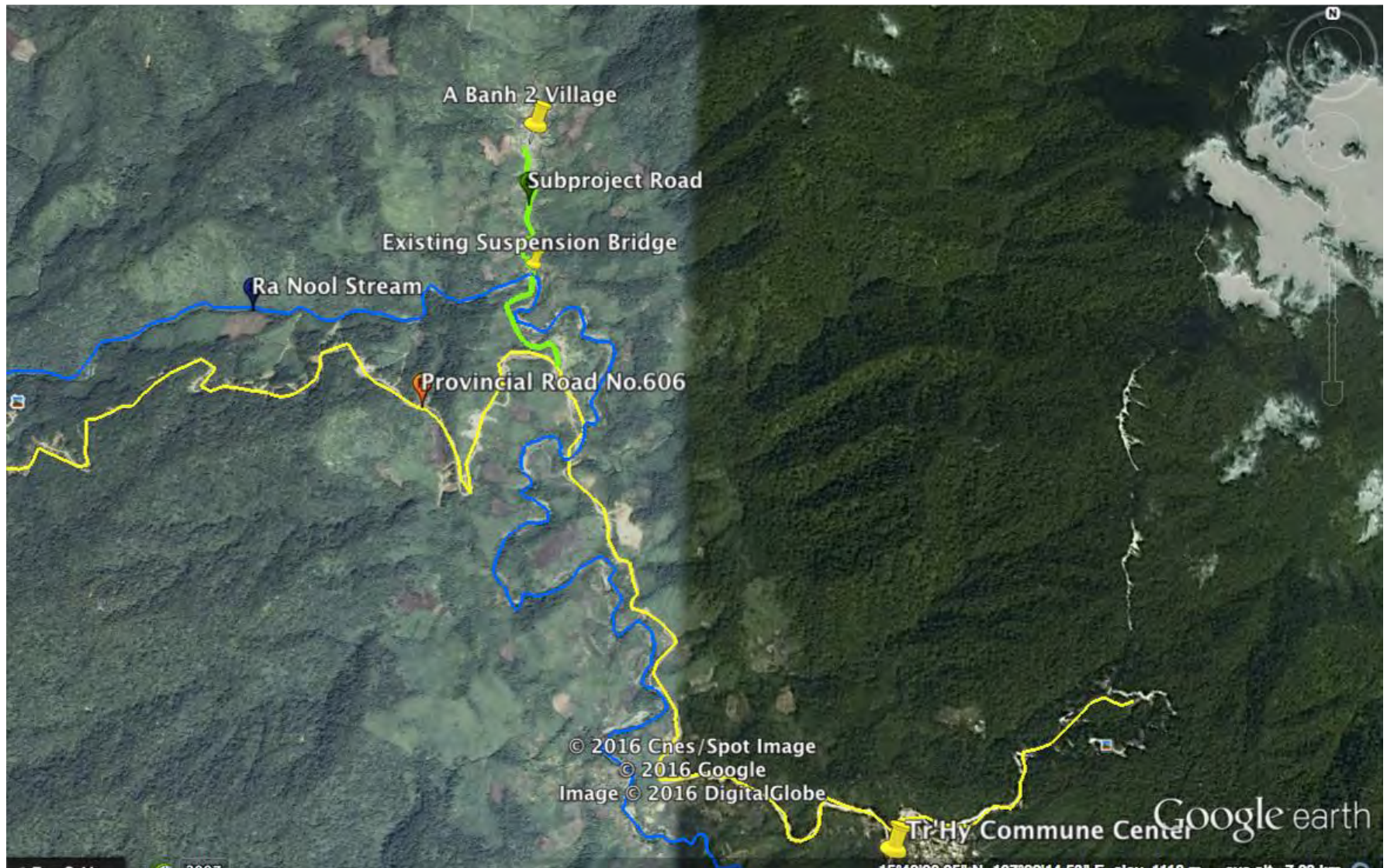
DATA ITEMS	SUBPROJECT DATA
	<ul style="list-style-type: none"> - 494 m³ of stones - 409 m³ of sand
Quantity of solid wastes generated during construction (monthly, in m ³) <ul style="list-style-type: none"> - Soil, sand, broken stones... - Domestic wastes 	<ul style="list-style-type: none"> - Consist of: domestic waste, waste concrete - Estimated quantities (per month): Material (waste concrete...): 25 m³ Domestic waste: 300 kg/month (for 20 workers, 0.5kg per day)
List of number and condition of construction vehicles and equipment	02 excavators, 02 bulldozers, 01 levelling, 4 ten tons trucks, 01 5kw generator, 1 10-ton compaction machine, 3 mobile concrete mixers The Supervisor will ensure that the above equipment will be in good operating conditions and that the Contractor will maintain it in good condition until the works' completion.
OPERATION & MAINTENANCE ACTIVITIES	
Subproject capacity	Subproject will: Subproject will help to facilitate community exchanges and transportation in the region, and promote economic and social development. The main beneficiaries are 50 households of A Banh 2 Village, Tr'Hy commune.
Designed speed	15 km/h
Expected load/Standard load (for truck)	H13-X60 6 tons
Expected number of transportation	< 100 vehicles/ per day as it is mainly serves local people in A Banh 2 village.
Description of maintenance activities	Conduct annual maintenance, detection and timely measures to repair damage (if any) such as subsidence, slump, landslide, do not let erosion due to rain destroy the construction; Apply extra base, curb; dig vertical and horizontal drains; Repair pot-holes, local subsidence, etc. If necessary, communities will be mobilized to support operation and maintenance of culvert and roads; clean grass, clear trees, etc. With roads: Regular maintenance from the district budget. Operations and major maintenance will be funded from the provincial budget. Operation and management cost will be covered by District and Local budget.
RESETTLEMENT AND LAND ACQUISITION³	
Number of Affected Households (AHs)	None
Number of severely affected AHs	None
Number of APs that must relocate	None

³ This data should be extracted from the subproject Resettlement Plan

Biodiversity Conservation Corridors Greater Mekong Sub-region – Phase 2 Project (BCC)
Concrete Road to A Banh 2 Village, Tr' Hy Commune, Tay Giang District, Quang Nam Province
Initial environmental examination (IEE)

DATA ITEMS	SUBPROJECT DATA	
Total land area to be acquired (ha)	Temporary = 0	Permanent = 0
Agricultural land area to be acquired (ha)	Temporary = 0	Permanent = 0
Forestry land area to be acquired (ha)	Temporary = 0	Permanent = 0
Aqua cultural land to be acquired (ha)	Temporary = 0	Permanent = 0
Residential land to be acquired (ha)	Temporary = 0	Permanent = 0
Garden land to be acquired (ha)	Temporary = 0	Permanent = 0
Other land to be acquired (ha)	Temporary = 0	Permanent = 0
<i>SUBPROJECT COST</i>		
Total subproject cost (VND)	3,140,887,000 VND	

Figure 1: **Map of subproject and surrounding area**



III. DESCRIPTION OF EXISTING ENVIRONMENT

Table 2: Existing environment

DATA ITEM	SUBPROJECT DATA
SUBPROJECT LOCATION	
Commune(s):	Tr'Hy commune
District	Tay Giang
Province	Quang Nam
Geographical location:	Starting point: connects to Provincial Road No.606 End point: Entrance of A Banh 2 village
PHYSICAL ENVIRONMENT CONDITIONS	
Air quality	The subproject locates in mountainous area with open air and low traffic density. There is no trace of air pollution in the subproject area.
Noise and vibration	Through observation, although the starting point of the road connects with Provincial Road No.606 but the traffic frequency is low and noise, vibration levels are also low.
Climate and natural disasters	<p>- Like the other areas of the district, Tr'Hy commune is also influenced by the tropical monsoon including dry and rainy seasons. The annual average temperature is 25.6°C, with lowest temperature is below 12°C in December and January and the average humidity is 84%.</p> <p>- The average rainfall is about 2000 mm/year in the district; the rainy season is from October to December and the dry season starts from February to August. January and September are the buffer month with unstable weather conditions and usually with high precipitation;</p> <p>- Tr'Hy commune has a dense river and stream network. Therefore, in rainy season, it can easily cause flash floods and landslides;</p>
Topography and soils	<p>Tr'Hy commune's terrain is heavily dissected by the mountain and valley system so that the traffic development, electricity grids, as well as the producing system encounter many problems.</p> <p>Besides, the type of valley terrain with relatively flat surface, suitable for raising agriculture crops (cassava, rice, corn...) but these areas are small and separated.</p>
Water Bodies	The largest water body in the subproject area is Ra Nool stream running nearly 800 m along the subproject road. It then crosses the road at KM0+786.86. The water level is varied with seasons but it could serve for irrigation and hydropower purposes.
Underground water	There is no data related to underground water in the subproject area. Local people is not using under ground water for living and the implementation of the subproject will not impact on the underground water quality as the suspension bridge over Ra Nool stream is still in good condition and will be utilized.
Water resources and quality	<p>- Surface water quality:</p> <p>There is no data related to surface water quality in the subproject area. Local people take water in the streams in mountainous areas and let water flow through gravity water pipe system to their house.</p>

DATA ITEM	SUBPROJECT DATA
Flooding	The main flood season is the same with rainy season from October to December. Flash floods and landslide are usually happen in the river/ stream network.
Terrestrial flora and fauna	There are many varieties of plant species in the subproject area, but no rare or endemic species are recorded. Similarly, no rare animals were detected in the subproject area.
Aquatic flora and fauna	<ul style="list-style-type: none"> - The fisheries sector of the commune was not an advantage to develop because of the steep topography. - In the subproject area, there are no rare or endangered species recorded in Vietnamese Red Book.
Protected areas	There is no protected area locates in the subproject area and the vicinity. Natural forest area locates about 2 km from the end point of the subproject road
SOCIO-ECONOMIC CONDITIONS	
UXO	The main construction activity of the subproject is concrete the old earth road base on the existing road foundation so there is no potential of UXO left.
Land use	<p>Most of the land of the commune is forest. Total natural area of the commune in 2013 is 81.77 km²</p> <p>The production area is small and separated. The main crops are rice, corn, cassava and potato.</p>
Nearest residential land	Around the ending point of the subproject road is A Banh 2 village with some houses locate along the road (about 10 m)
Infrastructure	There is no local infrastructure system locate in the subproject road.
Agriculture and aquaculture	<ul style="list-style-type: none"> -Agriculture: rice, corn, cassava, sweet potato... -Aquaculture: fish in ponds combined with ducks, etc.
Population	It is estimated that the subproject will generate benefit directly for local people of 50 households in A Banh 2 village, belong to Tr'Hy commune
Ethnic minorities	In the subproject area, nearly 100% of the local people are Co Tu ethnic minority.
Livelihoods	The main livelihoods are the agricultural and forestry sector (95%).
Physical and cultural heritage	None.
Public health	<p>National health programs and disease prevention implemented well.</p> <p>Only a few cases of poor food safety and hygiene</p>

IV. ENVIRONMENTAL IMPACTS SCREENING

Table 3: Environmental impacts screening

IMPACT	POTENTIAL IMPACT				BRIEF DESCRIPTION OF IMPACT LOCATION AND SCALE
	IS IMPACT LIKELY TO OCCUR - YES / NO?	IS IT MINOR OR SIGNIFICANT?	IS IT POSITIVE OR NEGATIVE?	IS IT TEMPORARY OR PERMANENT?	
Pre-Construction Stage Impacts					
Disturbance of UXO	NO				The subproject is upgraded based on the existing foundation with out expand to both sides of the road. There is no potential of UXO left in the subproject area.
Effects on households from loss of residential or agricultural land	NO	NO	NO	NONE	Upgrading road, position adjusted in some cases to suit the actual terrain. The old road is large enough to be upgraded, so it is not necessary to acquire more land, for construction.
Construction Stage Impacts					
Dust, vegetation clearing, noise, water quality or other impacts from quarries for of mining at construction materials sites.	NO	NO	NO	NONE	The total amount of construction material is small, estimated only 595 m³ of filling soil; 494 m³ of stones and 409 m³ of sand and the contractor will purchase these material from authorized mines so the impact is negligible.

IMPACT	POTENTIAL IMPACT				BRIEF DESCRIPTION OF IMPACT LOCATION AND SCALE
	IS IMPACT LIKELY TO OCCUR - YES / NO?	IS IT MINOR OR SIGNIFICANT?	IS IT POSITIVE OR NEGATIVE?	IS IT TEMPORARY OR PERMANENT?	
Deterioration of surface water quality due to silt runoff and sanitary wastes from worker-based camps and chemicals used in construction	YES	MEDIUM	NEGATIVE	TEMPORARY	<p>Description: Run off water when its rain could bring debris, waste and silt into nearby water bodies, especially Ra Nool stream. This will reduce the water quality and indirectly impact on local people who mainly using water from streams for living.</p> <p>Locations: Water bodies in the subproject area; Ra Nool stream.</p> <p>Objects: surface water quality of Ra Nool stream, local people in A Banh 1 and A Banh 2 villages.</p> <p>Level: This is an average impact. Although the scale of the subproject is small; the construction will be mainly manual works and the suspension bridge over Ra Nool stream will be utilized, impact on surface water quality in Ra Nool stream will directly impact on the health of local people in A Banh 1 and 2 village and other villages in Tr'Hy commune as the stream water is the main water supply source for local people.</p> <p>Duration: estimated 4 months.</p>
Increased local air pollution due to rock crushing, cutting and filling works; noise and vibration due to material transportation and operation of construction machines	YES	MINOR	NEGATIVE	TEMPORARY	<p>Description: Dust, noise and vibration from the operation of construction machines and transportation vehicles could impact on health of local people whom living near the subproject area.</p> <p>Locations: A Banh 1 and A Banh 2 villages locate near the start and the end point of the subproject road.</p> <p>Objects: Local people living in A Banh 1 and A Banh 2 villages</p> <p>Level: This is a minor impact as the construction time is short and number, capacity of the construction machines is small. The subproject is located in mountainous area with very low population density, dust will dispread soon into the open air.</p> <p>Duration: estimated 4 months.</p>

IMPACT	POTENTIAL IMPACT				BRIEF DESCRIPTION OF IMPACT LOCATION AND SCALE
	IS IMPACT LIKELY TO OCCUR - YES / NO?	IS IT MINOR OR SIGNIFICANT?	IS IT POSITIVE OR NEGATIVE?	IS IT TEMPORARY OR PERMANENT?	
Poor sanitation and solid waste disposal in construction camps and work sites, and possible transmission of communicable diseases (such as STI's and HIV/AIDS) from workers to local populations?	YES	MINOR	NEGATIVE	TEMPORARY	<p>Description: Worker living in worker camp in poor hygiene conditions so some kind of diseases such as skin diseases could be out broken. STI's and HIV/AIDS could be transmitted from workers to local people as workers are mainly male workers.</p> <p>Locations: Workers camps, construction sites and the whole subproject area.</p> <p>Objects: Local people living in A Banh 1 and A Banh 2 villages</p> <p>Level: This is a minor impact as the construction time is short and number of construction worker is small (20-30 workers). Some of them could be local people that contractor recruited for some simple work.</p> <p>Duration: estimated 4 months.</p>
Increase duration and area of flooding.	NO	NO	NO	NONE	Construction work will not increase the duration and extent of flooding due to construction works are implemented in a short period and mainly in dry season. The suspension bridge over Ra Nool stream is still in good condition and will be utilized.
Interferes with infrastructure such as communication or electricity infrastructure	NO	NO	NO	NONE	There is no other infrastructure locates along the subproject road.

IMPACT	POTENTIAL IMPACT				BRIEF DESCRIPTION OF IMPACT LOCATION AND SCALE
	IS IMPACT LIKELY TO OCCUR - YES / NO?	IS IT MINOR OR SIGNIFICANT?	IS IT POSITIVE OR NEGATIVE?	IS IT TEMPORARY OR PERMANENT?	
Social disruption caused by construction workers	NO	NO	NO	NONE	Only small number of workers (20-30 workers) and the contractor will recruit some local people for simple work so the impact is negligible.
Health or safety risks to public or construction workers	NO	NO	NO	NONE	Only small number of workers (20-30 workers) and the contractor will recruit some local people for simple work so the impact is negligible.
Disruption to traveling of local peoples and traffic safety	YES	MINOR	NEGATIVE	TEMPORARY	<p>Description: The construction of the road will make difficulties for local people in A Banh 2 village during construction phase as the road is the only way to access Tr'Hy commune center from A Banh 2 village. Construction machines mobilized at site and construction activities could also create traffic safety risk for people travel on the road during construction phase.</p> <p>Locations: Along the subproject roads.</p> <p>Objects: Local people in A Banh 1 and A Banh 2 villages and people who travel on the road.</p> <p>Level: This is a minor impact as the construction time is short and number, capacity of the construction machines is small. Moreover, the main transportation means is motorbike so local people could easily find out their ways for travel.</p> <p>Duration: estimated 4 months.</p>

IMPACT	POTENTIAL IMPACT				BRIEF DESCRIPTION OF IMPACT LOCATION AND SCALE
	IS IMPACT LIKELY TO OCCUR - YES / NO?	IS IT MINOR OR SIGNIFICANT?	IS IT POSITIVE OR NEGATIVE?	IS IT TEMPORARY OR PERMANENT?	
Disposal of solid wastes generated by construction activities or municipal wastes generated from construction camps	NO	NO	NO	NONE	Only small number of workers (20-30 workers) and the contractor will recruit some local people for simple work so the impact is negligible.
Operation phase					
Change accessibility to local services.	YES	SIGNIFICANT	POSITIVE	PERMANENT	The completion of the subproject will support local people in A Banh 2 village more convenience on movement, goods exchange and access Tr'Hy commune centre. People of 50 households in A Banh 2 village could access to local services in commune centre in all kind of weather
Employment or livelihood benefits from employment of local people	YES	SIGNIFICANT	POSITIVE	PERMANENT	Location: subproject area in Tr'Hy commune. The subproject upgrading road to A Banh 2 village will reduce poverty through provide new access for the local people to the centres, markets and other social services therefore, reduce the pressure on the forest.
Impacts on ethnic minorities	YES	SIGNIFICANT	POSITIVE	PERMANENT	As nearly 100% of people in A Banh 2 village is Co Tu ethnic minority, the completion of the subproject will support them in goods exchange and access to commune centre, steadily improve incomes and living standards

IMPACT	POTENTIAL IMPACT				BRIEF DESCRIPTION OF IMPACT LOCATION AND SCALE
	IS IMPACT LIKELY TO OCCUR - YES / NO?	IS IT MINOR OR SIGNIFICANT?	IS IT POSITIVE OR NEGATIVE?	IS IT TEMPORARY OR PERMANENT?	
Changes to traffic safety	YES	MINOR	NEGATIVE/ POSITIVE	PERMANENT	<p>Description: The completion of the road will increase the traffic frequency and the speed of the motorbike travel on the road will also increase. The risk of traffic accident, especially at the start point, T-junction with Provincial Road No.606. On the other hand, the better road surface condition will make the road less slippery and decrease the risk of road accident.</p> <p>Locations: A long the subproject road especially at the T-junction with Provincial Road No.606.</p> <p>Objects: Local people living in A Banh 1 and A Banh 2 villages and other people whom doing business with A Banh 1 and 2 villages.</p> <p>Level: The negative impact is a minor impact as the traffic frequency of Provincial Road No.606 is not high. The main vehicles on the subproject road are motorbikes and population density of A Banh 1 and 2 villages are low.</p>
Noise and vibration impacts, changes in dust levels or air quality from increased traffic volumes	NO	NO	NO	NONE	<p>The start point of the subproject connects with Provincial Road No.606 but the traffic frequency is low. People using the road are mainly local people in A Banh 1 and 2 villages. The main transportation type is motorbike in a small number and the subproject locates in mountainous area with open air so the impact is negligible</p>

IMPACT	POTENTIAL IMPACT				BRIEF DESCRIPTION OF IMPACT LOCATION AND SCALE
	IS IMPACT LIKELY TO OCCUR - YES / NO?	IS IT MINOR OR SIGNIFICANT?	IS IT POSITIVE OR NEGATIVE?	IS IT TEMPORARY OR PERMANENT?	
Changes to access to natural resource	YES	MINOR	NEGATIVE	PERMANENT	<p>Description: Natural forest area of Tr'Hy commune is about 2 km from the subproject road. The completion of the road will make more convenient for the movement of people and goods transportation but it also increases chances of access to the natural forest area.</p> <p>Locations: Natural forests near the subproject area.</p> <p>Objects: Flora and fauna in the forest. Local people in the subproject area.</p> <p>Level: This is a minor impact as there are no specific or endangered animal/trees in the subproject area. The road will be concrete with only 3 m surface width that only suitable for motorbike so the impact is not large.</p>

V. OUTLINE ENVIRONMENTAL MANAGEMENT PLAN (EMP)

A. Environmental Mitigation Plan

Table 4: Environmental mitigation plan

Potential Impact	Mitigation Measure	Responsibility	Cost (Price unit)
Construction Phase			
Deterioration of surface water quality due to silt runoff and sanitary wastes from worker-based camps and chemicals used in construction	Store chemicals (oil, lubricants, etc.) for construction in a secure place with impervious floor and roof cover to avoid rainwater and flooding. No temporary material stockpile near Ra Nool stream (50 m)	Contractor	Includes in contract with contractor
	Ensure vehicles and equipment are maintained in good condition	Contractor	
	Regularly collecting waste land to avoid sedimentation;		
	Wash construction vehicles and equipment near Ra Nool stream shall not allow avoiding pollution by lubricating oil from washing.		
	Waste water and wasted lubricating oil should be controlled in accordance with relevant regulations on wastewater and hazardous wastes;	Contractor	
	Regularly collect and dispose-off the wastes;		
	Install sediment ditches at the construction site near Ra Nool stream. Collect sediment from the ditches regularly and transfer to the temporary dumping sites as agreed with Tr’Hy CPC.		
Increased local air pollution due to rock crushing, cutting and filling works; noise and vibration due to material transportation and operation of construction machines	Inform construction schedule and scope to Tr’Hy CPC and local people in A Banh 1 and 2 villages in advance; Ensure equipment and vehicle maintenance is in good condition; Cover all trucks carrying raw materials to and from the construction site and along Provincial Road No.606 with canvas; Watering the construction sites of road section in dry and low humidity days, increasing the frequency of watering when passing through A Banh 1 village at least one time/ day.	Contractor	Includes in contract with contractor
	Mobile concrete mixing plants to be arranged a distance of 100 m away from A Banh 1 and	Contractor	

Potential Impact	Mitigation Measure	Responsibility	Cost (Price unit)
	2 villages	Contractor	
Disruption to traveling of local peoples and/or transportation safety	<p>Inform construction schedule and scope to Tr'Hy CPC and local people in A Banh 1 and 2 villages through informal public consultation or any local people meetings and notice board in Tr'Hy CPC;</p> <p>Arrange construction material neatly along the route and complete construction section by section to reduce the impact period;</p> <p>Avoid material transportation in the rush hours when children go to schools and local people goes to work;</p> <p>Install warning signs/ boards and the lightning system at night time at the construction site to prevent traffic accident;</p> <p>Set up barricades, fences at the construction site to prevent unauthorized trespass.</p>	<p>Contractor</p> <p>Contractor</p> <p>Contractor</p>	Includes in contract with contractor
Poor sanitation and solid waste disposal in construction camps and work sites, and possible transmission of communicable diseases (such as STI's and HIV/AIDS) from workers to local populations	<p>Establish temporary or mobile toilet at construction site and worker camps;</p> <p>Supply enough hygiene water for worker camps;</p> <p>Generated wastes should be regularly collected and transferred to temporary dumping site - 800 m from the construction site;</p> <p>Provide regulations about sanitary and garbage regulations and common rules for the workers.</p>	<p>Contractor</p> <p>Contractor</p> <p>Contractor</p>	Includes in contract with contractor
Operation phase			
Changes to traffic safety	<p>Install road humps, warning signs at the junction with Provincial Road No.606, section passes through A Banh 1 village;</p> <p>Limit the speed of motorbike on the road in accordance to traffic law, especially at the starting point;</p> <p>Regularly maintain the road and repair small damage in time.</p>	Commercial and Trade Division of Tay Giang District	In the operation budget of the Division
Changes to access to natural resource	<p>Implement training campaign on forest protection for local people in A Banh 1 and 2 and Tr'Hy commune;</p> <p>Install hotline between local people in A Banh</p>	Commercial and Trade Division of Tay Giang District;	In the operation budget of the Division and

Potential Impact	Mitigation Measure	Responsibility	Cost (Price unit)
	and Forest Patrol on forest protection and prevention of unwanted encroachment; Install propaganda panel at roadside on environmental protection.	Quang Nam DONRE	Quang Nam DONRE

B. Environmental Monitoring Plan

1. Environmental Compliance Monitoring

5. Environmental compliance monitoring is carried out to test the compliance with operating procedures, technical standards and/or contractor specifications in the EMP.

Table 6: Environmental Effects Monitoring Plan

Mitigation Measure	Parameters	Location	Methods	Frequency	Responsibility	Cost
Construction Stage						
Minimization of noise generation	Noise level	At A Banh 1 and A Banh 2 villages	Observation and community consultation	Weekly, monthly or when community's feedback is raised	Construction supervision consultant	Included in the Contract signed with PPMU
				Monthly during construction duration or if there is feedback about high noise levels from the community	Environmental Officer at PPMU	PPMU Operation budget
Minimization of dust generation	Dust concentration	At A Banh 1 and A Banh 2 villages	Observation and community consultation	Weekly, monthly or when community's feedback is raised	Construction supervision consultant	Included in the Contract signed with PPMU
				Monthly during construction duration or if there is feedback about high dust concentration levels from the community	Environmental Officer at PPMU	PPMU Operation budget

Mitigation Measure	Parameters	Location	Methods	Frequency	Responsibility	Cost
Control of surface water quality	Sedimentation, rubbish, lubricating oil and solid waste	At the suspension bridge over Ra Nool Stream	Visual observation; Public consultation	Weekly and after the heavy rain events	Construction supervision consultant	Included in the Contract signed with PPMU
				Once during the construction phase or in case of complaints of residents	Environmental Officer at PPMU	PPMU Operation budget

Table 7: Environmental Compliance Monitoring Plan

Mitigation Measure	Parameters	Location	Methods	Frequency	Responsibility	Cost
Construction Stage						
Storage of materials, construction sites and worker camps conditions; waste disposal impact on water quality	Condition of material stockpile, construction camp, waste disposal area	Overall construction area	Observation and community consultation	Monthly or after heavy rainfall, flood	Construction supervision consultant	Included in the Contract signed with PPMU
Labor safety and community safety	Number, use of labor safety equipment; signal system; obey for traffic law of transportation vehicles	In construction site and on material transportation road	Observation and community consultation	Weekly/ Monthly or when community's feedback is raised	Construction Supervision Consultant (CSC)/ Environmental Officer at PPMU	Included in the contract signed with PPMU

Mitigation Measure	Parameters	Location	Methods	Frequency	Responsibility	Cost
Control soil erosion, sedimentation	Ensure to implement measures to minimize soil erosion and sedimentation due to construction activities	Overall construction area, especial near Ra Nool stream	Observation and community consultation	Weekly or after heavy rainfall, flood or when community's feedback is raised	Construction supervision consultant	Included in the Contract signed with PPMU
Control dust, noise and vibration generated from construction activities	Ensure to implement measures to minimize dust, noise and vibration generated from construction activities	Overall construction area.	Observation and community consultation	Monthly	Construction supervision consultant	Included in the Contract signed with PPMU

C. EMP Implementation Arrangement

Table 8: EMP implementation

Organization	Roles and Responsibilities		
	Subproject Preparation	Subproject Implementation	Subproject Operation
CPMU	Provide advice to PPMU Safeguards Officer on Initial Environmental Examination (IEE)/ Environmental Protection Plan (EPP) and Environmental Monitoring Report Review and provide “no-objection” on IEE submitted by PPMUs	Provide advice to PPMU Safeguards Officer on EMP implementation during construction Monitor progress during construction Consolidate PPMU environmental reporting	N/A
Tay Giang DPC	Sign-off on environmental assessment documents prior	Monitoring implementation of EMP through their own	Project owner with responsibility for

Organization	Roles and Responsibilities		
	Subproject Preparation	Subproject Implementation	Subproject Operation
	to submission for approval Approval of any subprojects requiring EPP	internal monitoring system	operation stage environmental performance including implementation of EMP during operation Monitoring implementation of EMP through their own internal monitoring system
Quang Nam PPMU	Engage consultant and have overall responsibility for IEE/EPP preparation and submission for approval Ensure staff are adequately trained in environmental issues	Responsibility for EMP implementation during pre-construction and construction Ensure that contract specifications and bid documents include environmental requirements Undertake inspections and monitoring of environmental issues during construction Coordinate environmental monitoring reporting to CPMU	Responsibility for EMP implementation during first year of operation Undertake inspections and monitoring of environmental issues during first year of operation Assist project owners to incorporate environmental requirements into infrastructure O&M procedures
Construction supervision consultant	n/a	Implement independent environmental monitoring at subproject area on monthly basis. Monitoring results will be included in the report that will be sent to PPMU once a month.	n/a
Commune Supervision Board (CSB) and local community members ⁴	Involvement in consultation and participation activities to identify and develop subprojects Ability to comment on environmental assessment	Involvement in environmental monitoring activities	N/A

⁴ CSB is established according to Decree 29/2011/ND-CP of GOV. Article 8 of this decision provides the community with opportunities to inspect compliance, monitor implementation and evaluate the results of investments in the commune, including environmental impacts.

Organization	Roles and Responsibilities		
	Subproject Preparation	Subproject Implementation	Subproject Operation
	documentation upon disclosure		
Construction contractor	n/a	Allocate adequate resources to meet the requirements and obligations of Site EMP	n/a
Commercial and Trade Division of Tay Giang District	n/a	n/a	Responsible for the management of subproject in the operation phase

D. Monitoring and Reporting system

Table 9: Monitoring and reporting system

Project Phase	Type of Report	Frequency	Responsibility	Submitted To Whom
Construction	EMP Compliance Report indicating compliance with all subprojects' EMPs and monitoring results	Monthly	Construction Supervision Consultant	PPMU
	EMP Compliance Report indicating compliance with all subprojects' EMPs and monitoring results	Quarterly	PPMU	CPMU

Project Phase	Type of Report	Frequency	Responsibility	Submitted To Whom
	Subproject Environmental Report indicating overall subproject environmental performance and EMP compliance	At completion of subproject	CPMU	ADB

E. EMP budget

Table 10: EMP budget

Item	Marginal Costs for Pre-Construction	Marginal Costs for Construction	Marginal Costs for Operation	Marginal Costs Sub-Total
Mitigation				
Compensation and land clearance	In a separated item on project compensation and resettlement	No	No	Included in other items
Monitoring				
PPMU's Internal monitoring	Included in management cost of PPMU	PPMU's management cost	Budget of Project supervision	
Construction Supervision Consultant	n/a	Included in a separate contract with CPMU	n/a	Included in contracts or other operation capital sources
Training on capacity enhancement on environmental monitoring capability	n/a		Local budget regulated on the Decree No 18/2015/ND-CP)	n/a

VI. PUBLIC CONSULTATION AND DISCLOSURE ACTIVITIES

A. Description of Activities to Date

Table 11: Public consultation and disclosure activities

CONSULTATION METHOD	DETAILS OF ACTIVITIES	
Correspondence and meetings with local authorities (Tr'Hy CPC, Commune Fatherland Front, Village Head)	Date of correspondence	December, 2015
	Dates of meetings (if requested)	December, 2015
	Minutes of meeting attached (Yes / No)	Yes
Public meeting	Date(s) held	24/12/2015;
	Location(s) held	Meeting room of Tr'Hy CPC, Tay Giang district
	Invitees	Representative of Tr'Hy CPC, village heads, Fatherland front, Farmer Association, farmer union
	Methods of invitation	Radio announcement and letter, coordinate with CPC to mobilize women's participation in meetings
	Agenda attached (Yes / No)	Yes
	Minutes of meeting attached (Yes / No)	Yes
	Number of attendees	36 people (24 males; 12 females)

B. Outcomes of public consultation to date

Table 12: Results of public consultation

Tr'Hy commune		Date: 24/12/2015	
Participants	Topic	Concerns of EM people	Future Action plan
Representatives of the following organization: Quang Nam PPMU, other relating units. - People's Committee,	Environment safety	- Impacts from temporary storage site for construction materials, including: dust, noise.	The Contractor shall: <ul style="list-style-type: none"> Provide public information for local people on construction conditions; Do not storage excavated soil for long time, transfer it as soon as possible to disposal site; Minimize quantity of construction materials that keep in temporary storage;

Tr'Hy commune		Date: 24/12/2015	
Participants	Topic	Concerns of EM	Future Action plan
Fatherland Front, Village Heads...			<ul style="list-style-type: none"> Ensure that all machines are in good operation condition
		Air pollution due to dust, exhaust fume and noise during transportation of material and construction machines	<ul style="list-style-type: none"> Ensure that construction equipment and vehicles are regularly maintained and having certificate Progress and construction plan was widely informed to the village community at least 10 days prior to construction. Collecting information and feedback from the community
	Social safety	Traffic safety and commercial activities, social order guarantee	<ul style="list-style-type: none"> - Women will be paid fairly compared to the men with the same volume and type of work and time spent on the job. In addition, the payment of wages on time for woman should be strictly followed. - Ensure that women workers will have enough safety measures and protection as well as working items. - Construction plans must consider the housework and women's fertility. - Ensure that the contractor does not employ children. - Should organize meeting with all workers before they do the construction and inform to them all the requirements of the village and local people. Keep good contact/communication with them.
	Gender	1. Women's participation in local labour with men may not be paid fairly to the men for the same type of work and time spent by the two sides;	<ul style="list-style-type: none"> - Women will be paid fairly compared to the men with the same volume and type of work and time spent on the job. In addition, the payment of wages on time for woman should be strictly followed. - Ensure that women workers will have enough safety measures and protection as well as working items. - Construction plans must consider the housework and women's fertility. Ensure that the contractor does not using

Tr'Hy commune		Date: 24/12/2015	
Participants	Topic	Concerns of EM	Future Action plan
			child labour (children under 17 years old).
		2. With the impact of construction workers from elsewhere, vulnerable women easily fall into intimate relationships with workers and can lead to STDs or HIV/AIDS;	<ul style="list-style-type: none"> - Orientation for men and especially EM women, contractors and construction workers about STDs, HIV/AIDs and abduction of women, including the punishment corresponding to the law; - Publish IEC materials suitable with the local context with the current situation in the village/commune; and the context of low-educated minority women.
		3. Women cannot share the views and opinions in the infrastructure sub-project meeting (how they construct and repair the works) should be built due to poor awareness of the technical terms of technology.	<ul style="list-style-type: none"> - Encourage women to share their views and their opinions during the meeting of the infrastructure sub-project (How they construct and repair the works) and orient them about the problem of infrastructure construction/upgrading. - Asked women about their thoughts on their role and responsibilities during the implementation and in maintenance and operation (O&M);
		4. Women are not mobilized to be members of CSBs and O&M board.	Mobilizing the participation of at least 30% women that are beneficiaries of the sub-project to be members of the CSB and O&M Board.
		5. Men may not allow their wives to participate in the construction/ upgrading process of infrastructure. - High rate of domestic violence	<ul style="list-style-type: none"> - Conducting training sessions/workshops on gender sensitivity for both men and women to raise awareness and support of men for gender mainstreaming activities. - Orienting men and women about domestic violence laws in 1989.
		6. Report related to gender data	Segregation data of completion/progress report based on gender, ethnicity and

Tr'Hy commune		Date: 24/12/2015	
Participants	Topic	Concerns of EM	Future Action plan
		may not be segregated	vulnerable groups.

VII. GRIEVANCE REDRESS MECHANISM

6. During the deployment of the subproject, local people are disseminated environmental protection activities such as EMP. Negative impacts on the environment may occur during the construction and operational phases. Any comments/ suggestions of local people will be solved quickly, transparently and protected by law, particularly for affected people by the subproject. Complaint handling mechanism was classified by level and responsibilities of involved parties.

7. Per the environmental management frame, there are 03 steps to redress complaint as below:

- **Stage 1:** If a household has any complaint he/she can submit a complaint in the written or verbal forms to the representative of Tr' Hy CPC (usually the Deputy Chairman of the CPC). CPC will work with Construction Supervision Consultant and Environmental Officer of PPMU to solve complaints and representative of the Tr' Hy CPC will response in written form to the complainant.
- **Stage 2:** If the complaint is not resolved within 7 days, the complainant will submit an application to Tay Giang DPC to resolve the complaint.
- **Stage 3:** If more than 10 days but no official response in written form from Tay Giang DPC, the complainant may submit a complaint in the written form to the Quang Nam PPC (through Quang Nam DONRE). Quang Nam PPC will require Tay Giang DPC to solve the complaint. In case the complaint is still not resolved, Quang Nam PPC will require environmental police to investigate and requested stakeholders to resolve the complaint.
- If efforts to resolve disputes using the grievance procedures remain unresolved or unsatisfactory, APs have the right to directly discuss their concerns or problems with the ADB Southeast Asia Department through the ADB Viet Nam Resident Mission (VRM). If APs are still not satisfied with the responses of VRM, they can directly contact the ADB Office of the Special Project Facilitator (OSPF).

VIII. CONCLUSIONS AND RECOMMENDATIONS

8. The subproject of "Concrete Road to A Banh 2 Village", Tr'Hy Commune, Tay Giang District, Quang Nam Province is being implemented by Quang Nam PPMU, as a part of the BCC project.

9. An environmental assessment of the project has been carried out and the main potential environmental impacts of the sub-project during construction phase are:

- (i) Deterioration of surface water quality due to silt runoff and sanitary wastes from worker camps and chemicals used in construction.
- (ii) Increased local air pollution due to rock crushing, cutting and filling works, noise and vibration due to material transportation and operation of construction machines.
- (iii) Poor sanitation and solid waste disposal in construction camps and work sites, and possible transmission of communicable diseases from workers to local populations.

10. The main potential environmental impacts during the operation phase are:

- (i) Changes to traffic safety.
- (ii) Changes to access to natural resources.

11. A range of mitigation and monitoring measures has been developed for the sub-project, which have been described in the Table 4 above.

12. Based on the findings of the environmental assessment and EMP contained in this document, it is concluded that:

The investment on the Subproject "Concrete Road to A Banh 2 Village" Tr'Hy Commune, Tay Giang District, Quang Nam Province aims to upgrade the existing road system, contribute to social and economic development activities and modernization in rural area, improve the welfare of 50 households of A Banh 2 village, Tr' Hy commune, Tay Giang district, Quang Nam province, by providing opportunities for rural, commercial, transport and social cultural development. The subproject will improve movements of local traffic, resulting in greater socio-economic effectiveness, contributing to the development of agriculture following Government policies.

Based on the study, the main negative impacts on environment will result from the construction activities and stop in the operation phase;

According to the IEE, Quang Nam PPMU has following suggestions:

- (i) No significant effects on the environment are identified and it is recommended that no further environmental assessment is warranted.
- (ii) Approval of IEE report of the Subproject of "Concrete Road to A Banh 2 Village" as consent for on-going implementation steps and ensures the progress and project effectiveness

APPENDICES

APPENDIX 1: Photographs about existing environment



Start point at the junction with PR.606



Running along Ra Nool stream



Current condition of the subproject road



Suspension bridge at Km0+786.86



Roadside duck pond of local people in A Banh 2



Current drainage system along the road

Appendix 2: Public consultation meeting minutes

CỘNG HÒA XÃ HỘI CHỦ NGHĨA VIỆT NAM
Độc lập – Tự do – Hạnh phúc

BIÊN BẢN HỘI NGHỊ THAM VẤN ĐÁNH GIÁ AN TOÀN MÔI TRƯỜNG, AN TOÀN XÃ HỘI VÀ GIỚI

Công trình: “Đường Bê tông đi Khu A Banh 2”

I. THỜI GIAN, ĐỊA ĐIỂM
- Từ 8 giờ đến 10 giờ ngày 24/12/2015 tại UBND xã
xã Tr' Hy..... huyện Tay Giang tỉnh Quảng Nam.

II. THÀNH PHẦN.

1.1 Chủ trì hội nghị.

1. Ban quản lý dự án tỉnh: BQL dự án BCC tỉnh Quảng Nam
Ông (bà) Nguyễn Ngọc Anh..... Chức vụ: Cán bộ
Ông (bà)..... Chức vụ:.....

2. UBND xã Tr' Hy.....
Ông (bà) Nguyễn Minh Hoàng..... Chức vụ: CT UBND xã
Ông (bà) Bà Long Nhiếp..... Chức vụ: CB Địa chính

3. UBND xã Tr' Hy.....
Ông (bà) Cao Kiên..... Chức vụ: CB Mặt Trận
Ông (bà)..... Chức vụ:.....

4. Ban/ĐVTH DA xã.....
Ông (bà)..... Chức vụ:.....
Ông (bà)..... Chức vụ:.....

1.2 Thành phần tham dự khác.

5. Đại diện cộng đồng thôn A Banh 2..... (Danh sách hộ dân tham gia kèm theo)

6. Nhà thầu tư vấn: Công ty TNHH tư vấn xây dựng Phước Vinh
Ông (bà) Lê Việt Vinh..... Chức vụ: Giám Đốc
Ông (bà) Nguyễn Thị Hương..... Chức vụ: Cán bộ Nội vụ

III. DIỄN BIẾN HỘI NGHỊ

1. Ông (bà) Nguyễn Ngọc Anh nêu lý do tổ chức và chương trình hội nghị tham vấn cộng đồng, giới thiệu thành phần tham dự, giới thiệu về dự án BCC.

2. Ông (bà) Lê Việt Vinh - Giới thiệu tóm tắt về những hạng mục thi công chính:
..... công chiều dài công trình đường bê tông đi thôn
A. Banh 2 là 1.712,98m mặt đường bê tông xi măng rộng
3m; dày 18 (cm); lớp móng cấp phối đá dăm dày 10 cm
.....
.....

3. Ông (bà) Nguyễn Thị Hương Giới thiệu những tác động chính đến môi trường tự nhiên và xã hội trong quá trình giải phóng mặt bằng, thi công công trình và đưa vào sử dụng; các biện pháp giảm thiểu; công trình xử lý và quá trình giám sát:

3.1. Tác động đến môi trường:

- Tác động từ quá trình tập kết nguyên vật liệu làm phát sinh bụi, tiếng ồn, ảnh hưởng tới chất lượng nước và thảm thực vật.

- Ô nhiễm đất và nước ngầm do rác thải và dầu thải.

- Tiếng ồn phát sinh từ máy móc, thiết bị thi công.

3.2. Tác động về DTTS.

- Vấn đề về an toàn giao thông, hoạt động thương mại.

- Tác động xã hội không mong muốn và điều kiện vệ sinh môi trường bị thay đổi.

3.3 Tác động về Giới.

- Phụ nữ tham gia vào lao động địa phương với đàn ông có thể gặp phải sự chênh lệch trong việc chi trả cho cùng một loại công việc thực hiện và thời gian đã bỏ ra của cả 2 bên;

- Sự ảnh hưởng của công nhân xây dựng từ các nơi khác, gần như phụ nữ dễ bị tổn thương khi rơi vào các mối quan hệ thân mật với công nhân và có thể dẫn tới các bệnh STDS hoặc HIV/AIDS, thêm đó phụ nữ, đặc biệt là phụ nữ dân tộc có thể trở thành nạn nhân của nạn bắt cóc phụ nữ.

- Phụ nữ có thể không chia sẻ được quan điểm và ý kiến trong cuộc họp về việc tiêu dự án cơ sở hạ tầng nên được xây dựng và sửa chữa như thế nào do họ có nhận thức kém về các thuật ngữ kỹ thuật và công nghệ.

- Phụ nữ không được huy động là nhân viên của ban giám sát cộng đồng.

- Nam giới có thể không cho phép vợ của họ tham gia vào việc xây dựng, nâng cấp cơ sở hạ tầng. Tỉ lệ bạo lực gia đình.

- Báo cáo liên quan đến dữ liệu về giới có thể không được phân tách.

4. Ông (bà) Nguyễn Minh Hằng Ông (bà) Phạm Văn Nhị.....phát biểu.

5. Cộng đồng tham gia ý kiến.

6. Chủ trì Hội nghị kết luận những nội dung chính:

IV. KẾT QUẢ HỘI NGHỊ.

Ghi nhận về các tác động môi trường, tác động xã hội và giới và các biện pháp giảm thiểu cần được quan tâm, xem xét:

Chủ đề	Điểm nhấn của buổi thảo luận/ Miêu tả các vấn đề/ Kiến nghị	Kế hoạch hành động/ Hoạt động tương lai
1. Môi trường		
	Tác động từ quá trình tập kết nguyên vật liệu làm phát sinh bụi, tiếng ồn, ảnh hưởng tới chất lượng nước và thảm thực vật	<p><u>Nhà thầu phải:</u></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Cung cấp thông tin công khai tới người dân <input checked="" type="checkbox"/> Không lưu trữ đất đào, đắp trong thời gian dài; vận chuyển đất thải tới khu vực quy định càng sớm càng tốt

		<input checked="" type="checkbox"/> Hạn chế tối đa lượng vật liệu xây dựng lưu trữ trong kho/khu vực thi công. <input checked="" type="checkbox"/> Đảm bảo sử dụng các máy móc, thiết bị có tình trạng hoạt động tốt. <input checked="" type="checkbox"/> Đổ cát ở những chỗ lầy lội, thấp. <input checked="" type="checkbox"/> Yêu cầu đường đổ bê tông phải chắc chắn, ở đây đường xây dựng chưa đến một năm đã xuống cấp. <input checked="" type="checkbox"/> Thu gom rác thải sinh hoạt. <input checked="" type="checkbox"/> Xây dựng lán trại cần phải có sự thống nhất của thôn, xã.
	Ô nhiễm đất và nước ngầm do rác thải và dầu thải	<input checked="" type="checkbox"/> Lưu giữ rác và dầu thải ở nơi an toàn, trong các thùng/thiết bị chứa chuyên dụng và có mái che; <input checked="" type="checkbox"/> Sử dụng nhà vệ sinh di động theo tiêu chuẩn của Bộ Y tế và đảm bảo các lán trại thi công có đủ điều kiện cho sinh hoạt, vệ sinh. <input checked="" type="checkbox"/> Không rửa các thiết bị, máy móc thi công trên công trường để tránh rửa trôi dầu, mỡ. <input checked="" type="checkbox"/> Nước thải và dầu mỡ bị rửa trôi phải được kiểm soát theo quy định của nhà nước về chất thải nguy hại và nước thải; <input checked="" type="checkbox"/> Thường xuyên thu gom và giữ gìn vệ sinh khu vực thi công
	Tiếng ồn phát sinh từ máy móc, thiết bị thi công.	<input checked="" type="checkbox"/> Đảm bảo thiết bị xây dựng và phương tiện giao thông thường xuyên được bảo dưỡng. <input checked="" type="checkbox"/> Tiến độ và kế hoạch thi công được thông báo rộng rãi tới cộng đồng trong thôn ít nhất 10 ngày trước khi thi công. <input checked="" type="checkbox"/> Thực hiện việc thu thập thông tin và phản hồi từ cộng đồng.
II. Tác động về DTTS		
	Vấn đề về an toàn giao thông, hoạt động thương mại.	<input checked="" type="checkbox"/> Cài đặt biển báo hiệu, đèn chiếu sáng và bố trí công nhân tại công trình để thực hiện kiểm soát giao thông. <input checked="" type="checkbox"/> Định kỳ thông báo kế hoạch xây dựng tại mỗi khu vực dọc theo các tuyến đường. <input checked="" type="checkbox"/> Không vận chuyển vật liệu xây dựng cho các công trình xây dựng trong thời gian 18h00-6h00. <input checked="" type="checkbox"/> Giới hạn vận tốc của phương tiện giao thông trên đường và tránh các hoạt động trong giờ cao điểm.

	Tác động xã hội không mong muốn và điều kiện vệ sinh môi trường bị thay đổi	<input checked="" type="checkbox"/> Tham khảo ý kiến cán bộ địa phương để xem xét khả năng thuê nhà cho công nhân thay vì việc xây dựng các trại. <input checked="" type="checkbox"/> Đảm bảo các lán trại có điều kiện vệ sinh tốt. <input checked="" type="checkbox"/> Cung cấp hướng dẫn cho công nhân trong cách giao tiếp với cộng đồng địa phương, tuân thủ pháp luật và phong tục truyền thống và văn hóa tại địa phương và thực hiện các chương trình giáo dục về vệ sinh môi trường/phương tiện vệ sinh và các bệnh lây truyền qua đường tiếp xúc. <input checked="" type="checkbox"/> Cấm công nhân khai thác tài nguyên thiên nhiên. <input checked="" type="checkbox"/> Thực hiện tốt các phong trào về phòng, truyền thông về HIV/AIDS và vi phạm xã hội như buôn lậu, mại dâm, bạo lực, trộm cắp....
III. Giới		
	1. Phụ nữ tham gia vào lao động địa phương với đàn ông có thể gặp phải sự chênh lệch trong việc chi trả tiền công cho cùng một loại công việc thực hiện và thời gian đã bỏ ra của cả 2 bên.	Phụ nữ sẽ được chi trả công bằng như nam giới với cùng một khối lượng và loại công việc và thời gian dành cho công việc đó. Ngoài ra, việc chi trả lương đúng hạn cần thực hiện cho phụ nữ. Đảm bảo rằng lao động nữ sẽ có đủ các biện pháp an toàn và phòng hộ cũng như vật dụng khi làm việc. Đảm bảo nhà thầu không thuê lao động trẻ em
	2. Với sự ảnh hưởng của công nhân xây dựng từ các nơi khác, gần như phụ nữ dễ bị tổn thương khi rơi vào các mối quan hệ thân mật với công nhân và có thể dẫn tới các bệnh STDS hoặc HIV/AIDS, thêm đó phụ nữ, đặc biệt là phụ nữ dân tộc có thể trở thành nạn nhân của nạn bắt cóc phụ nữ.	Định hướng cho nam giới và đặc biệt phụ nữ DTTS, nhà thầu và công nhân xây dựng về STDS, HIV/AIDS và bắt cóc phụ nữ bao gồm cả sự trừng phạt tương ứng theo pháp luật. Sản xuất các tài liệu IEC trong bối cảnh địa phương với tình hình hiện tại ở làng, xã: ngoài ra với bối cảnh trình độ học vấn thấp của phụ nữ DTTS.
	3. Phụ nữ có thể không chia sẻ được quan điểm và ý kiến trong cuộc họp về việc tiêu dự án cơ sở hạ tầng nên được xây dựng và sửa chữa	Khuyến khích phụ nữ chia sẻ quan điểm và ý kiến của họ trong suốt cuộc họp về các TDA cơ sở hạ tầng nên được xây dựng và sửa chữa như thế nào và định hướng họ về các vấn đề của việc xây dựng, nâng cấp cơ sở hạ tầng.

	nếu thế nào do họ có nhận thức kém về các thuật ngữ kỹ thuật và công nghệ.	Hỏi phụ nữ về những suy nghĩ của họ về vai trò và trách nhiệm trong suốt quá trình thực hiện và trong việc vận hành bảo trì (O&M).
	4. Phụ nữ không được huy động là nhân viên của ban giám sát cộng đồng và quản lý cấp thôn/dự án	Huy động sự tham gia của ít nhất 30% phụ nữ hưởng lợi tiểu dự án để họ là thành viên của các ban giám sát, vận hành và bảo trì.
	5. Nam giới có thể không cho phép vợ của họ tham gia vào việc xây dựng, nâng cấp cơ sở hạ tầng. Tỷ lệ bạo lực gia đình.	Tiến hành buổi tập huấn, hội thảo về nhạy cảm giới với cả nam và nữ để nâng cao nhận thức và hỗ trợ của đàn ông đối với các hoạt động lồng ghép giới. Định hướng nam giới và phụ nữ về luật bạo hành gia đình năm 2007.
	6. Báo cáo liên quan đến dữ liệu về giới có thể không được phân tách.	Phân tách dữ liệu của báo cáo hoàn thành tiến độ dựa trên giới, dân tộc và nhóm dễ tổn thương.

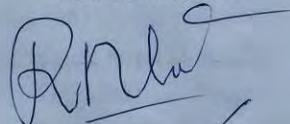
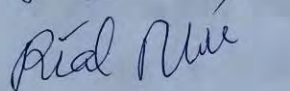
Hội nghị tham vấn cộng đồng kết thúc vào lúc 10 giờ 00 phút cùng ngày.
Biên bản được thông qua.

ĐẠI DIỆN
UBND XÃ.....


Nguyễn Minh Hoàng

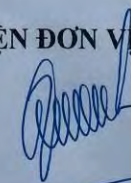
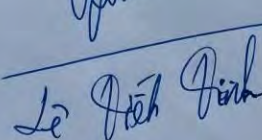
ĐẠI DIỆN
UBMTTQVN XÃ.....

ĐẠI DIỆN THÔN A BANH 2
TRƯỞNG THÔN

ĐẠI DIỆN DỰ ÁN BCC
Ban QLDA tỉnh ĐVTHDA xã

ĐẠI DIỆN ĐƠN VỊ TƯ VẤN

DANH SÁCH NGƯỜI THAM GIA
HỘI NGHỊ THAM VẤN ĐÁNH GIÁ AN TOÀN MÔI TRƯỜNG, AN TOÀN XÃ HỘI VÀ GIỚI.

Tên Công trình/ Tiêu dự án: Đường bê tông đi khu A-Banh 2
Tổng số người hưởng lợi: 50 Hộ..... Người.....
Hoạt động: Đánh giá an toàn môi trường và xã hội
Ngày thực hiện: 24/12/2015

Tên người hưởng lợi	Tổ chức hoặc Nhóm đại diện		Giới tính Vui lòng tích (✓)		Nhóm dân tộc Vui lòng tích (✓)		Nhóm dễ tổn thương Vui lòng tích (✓)			Số tiền (đồng)	Chữ kí
	Tên	Vị trí	Nam	Nữ	Kinh	Nhóm DTTS	Người già	Thanh niên	Người Tàn tật		
Rách Thị Nở	Làm ruộng			✓		✓		✓		50.000	✓
Zô Răm Nhót	Làm ruộng		✓			✓		✓		50.000	✓
Bling Nhech	Làm ruộng		✓			✓		✓		50.000	✓
Đoàng Giới	Làm ruộng		✓			✓		✓		50.000	✓
Đoàng Nở	Làm ruộng		✓			✓		✓		50.000	✓
Đoàng Mính	Làm ruộng		✓			✓		✓		50.000	✓
Đoàng Thị Bắp	Làm ruộng			✓		✓	✓			50.000	✓
Rách Nở	Làm ruộng		✓			✓		✓		50.000	✓
Cô Lầu Đuối	Làm ruộng		✓			✓	✓			50.000	✓
Cô Lầu Đỉnh	Làm ruộng		✓			✓		✓		50.000	✓
Tàng Nê	Làm ruộng		✓			✓		✓		50.000	✓
Bling Móc	Làm ruộng		✓			✓		✓		50.000	✓
Đoàng Mỏ	Làm ruộng		✓			✓		✓		50.000	✓
Zô Răm Tông	Làm ruộng		✓			✓		✓		50.000	✓
Zô Răm Thị Nhau	Làm ruộng			✓		✓		✓		50.000	✓
Zô Răm Nhót	Làm ruộng		✓			✓	✓			50.000	✓

Tên người hưởng lợi	Tổ chức hoặc Nhóm đại diện		Giới tính Vui lòng tích (✓)		Nhóm dân tộc Vui lòng tích (✓)		Nhóm dễ tổn thương Vui lòng tích (✓)			Số tiền (đồng)	Chữ kí
	Tên	Vị trí	Nam	Nữ	Kinh	Nhóm DTTS	Người già	Thanh niên	Người Tàn tật		
Cô Lầu Nê	Làm ruộng		✓			✓		✓		50.000	✓
Zô Răm Đen	Làm ruộng		✓			✓		✓		50.000	✓
Cô Lầu Thị Bắp	Làm ruộng			✓		✓		✓		50.000	✓
Bling V	Làm ruộng		✓			✓		✓		50.000	✓
Rách Nở	Làm ruộng		✓			✓		✓		50.000	✓
Đoàng Lành	Làm ruộng		✓			✓		✓		50.000	✓
Rách Nê	Làm ruộng		✓			✓	✓			50.000	✓
Cô Lầu Nê	Làm ruộng		✓			✓		✓		50.000	✓
Đoàng Thị Chiểu	Làm ruộng			✓		✓		✓		50.000	✓
Zô Răm Nhót	Làm ruộng		✓			✓		✓		50.000	✓
Hải Đ	Làm ruộng		✓			✓		✓		50.000	✓
Hải Đ	Làm ruộng		✓			✓		✓		50.000	✓
Đoàng Chon	Làm ruộng		✓			✓		✓		50.000	✓
Đoàng Mỏ	Làm ruộng			✓		✓		✓		50.000	✓
Tàng Nê	Làm ruộng			✓		✓	✓			50.000	✓
Zô Răm Xinh	Làm ruộng		✓			✓		✓		50.000	✓
Bling Thị Mui	Làm ruộng			✓		✓		✓		50.000	✓
Tàng Nê	Làm ruộng		✓			✓		✓		50.000	✓
Zô Răm Thị Xá	Làm ruộng			✓		✓		✓		50.000	✓
Cô Răm	Làm ruộng		✓			✓		✓		50.000	✓
Cô Lầu Hên	Làm ruộng		✓			✓	✓			50.000	✓

Biodiversity Conservation Corridors Greater Mekong Sub-region – Phase 2 Project (BCC)
Concrete Road to A Banh 2 Village, Tr' Hy Commune, Tay Giang District, Quang Nam Province
Initial environmental examination (IEE)

Tên người hưởng lợi	Tổ chức hoặc Nhóm đại diện		Giới tính Vui lòng tích (✓)		Nhóm dân tộc Vui lòng tích (✓)		Nhóm dễ tổn thương Vui lòng tích (✓)			Số tiền (đồng)	Chữ kí
	Tên	Vị trí	Nam	Nữ	Kinh	Nhóm DTTS	Người già	Thanh niên	Người Tàn tật		
AVô Thị Dưa	lâm sỹ			✓		✓		✓		50.000	AVô
Đi Lang Thị Fô	lâm nông			✓		✓		✓		50.000	Đi Lang
Zô Râm Thị Lành	lâm sỹ			✓		✓		✓		50.000	Zô Râm
Riêu Nhàn	lâm nông	Trưởng thôn	✓			✓		✓		50.000	Riêu Nhàn

Lập bởi:
Cán bộ an toàn

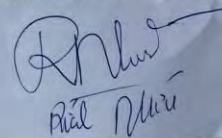
Ghi chú bởi:
Đại diện ĐV THDA BCC xã.....

Xác nhận:
UBND xã Tr' hy.....

Nguyễn Minh Hoàng

UB MTTQ xã.....

Đại diện thôn A Banh 2.....


Riêu Nhàn

FILLING SOIL MINE AND TEMPORARY DUMPING SITE

CỘNG HÒA XÃ HỘI CHỦ NGHĨA VIỆT NAM
Độc lập – Tự do – Hạnh phúc

Tà. Hy..., ngày... tháng năm 2016

BIÊN BẢN LÀM VIỆC
V/v Điều tra xác định vị trí các mỏ vật liệu và bãi đổ thải.

Tên tiểu dự án: Đường bê tông từ khu A Banh 2
Xã: Tà. Hy, huyện Tây Giang, tỉnh Quảng Nam
Hôm nay, ngày... tháng... năm 2016, tại xã Tà. Hy huyện Tây Giang, tỉnh Quảng Nam, chúng tôi gồm:


A. Đại diện địa phương: UBND xã Tà. Hy
Ông (bà) Nguyễn Minh Hoàng Chức vụ: PC UBND xã
Ông (bà) Phạm Văn Hiệp Chức vụ: Đa chức xã
Và

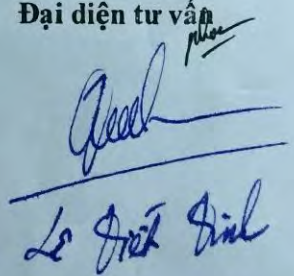
B. Đại diện công ty: Công ty TNHH tư vấn xây dựng Phước Vinh
Ông (bà) Lê Việt Đình Chức vụ: Giám đốc
Ông (bà) Phạm Văn Thừa Chức vụ: kỹ thuật

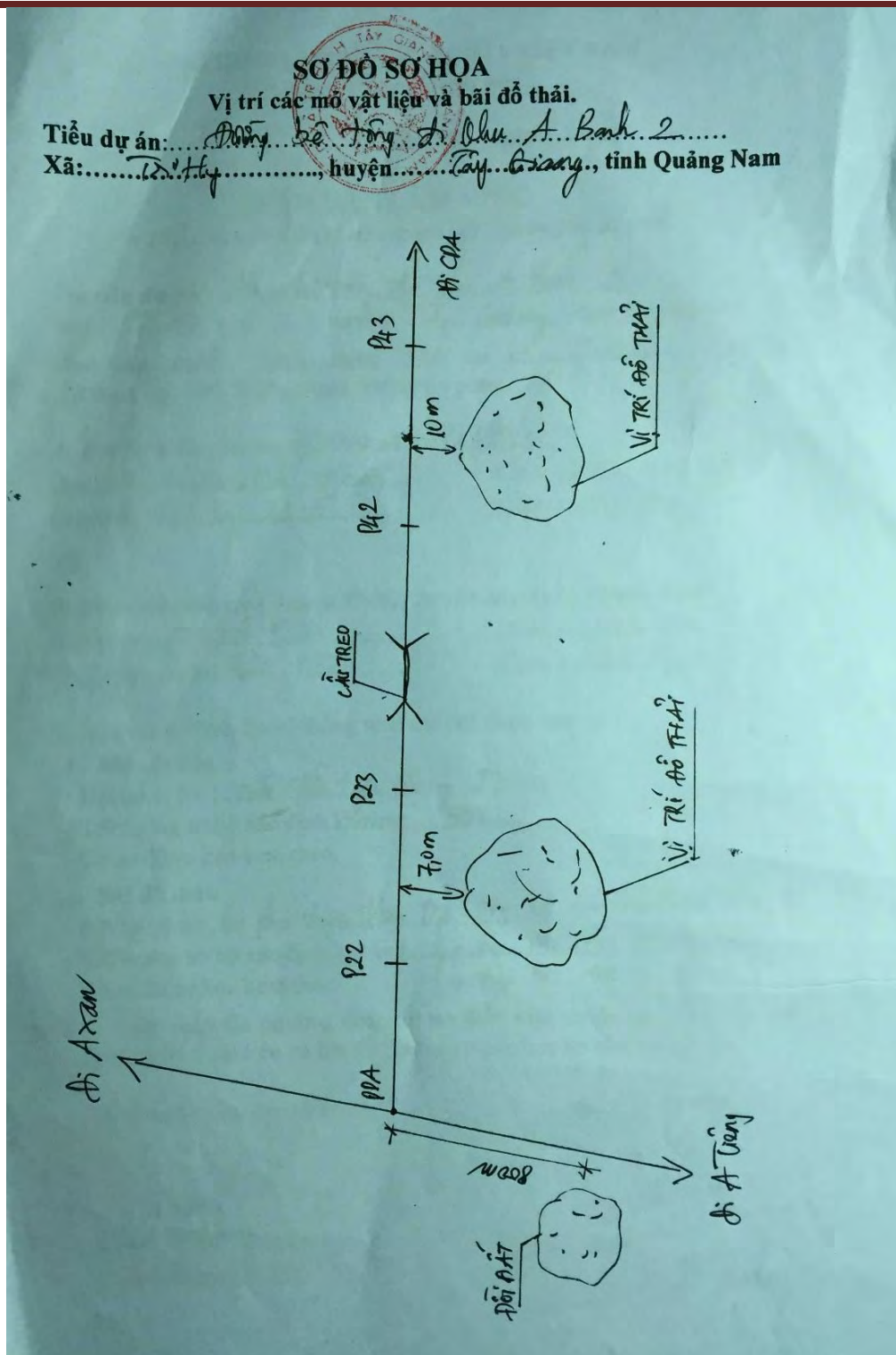
Cùng nhau đi thực địa và thống nhất các nội dung sau:

- Mỏ vật liệu:**
 - Đặt tại vị trí: cách cầu huyện Nhảy 800m
 - Trữ lượng sơ bộ xác định khoảng: 500m³
 - Có sơ đồ sơ họa kèm theo.
- Bãi đổ thải:**
 - Đặt tại vị trí: bên phải tuyến đèo P22-P23 và bên phải tuyến đèo P42-P43
 - Trữ lượng sơ bộ xác định khoảng: 5 + đèo P22-P23 = 700m³
+ đèo P42-P43 = 1200m³
 - Có sơ đồ sơ họa kèm theo.
- Đại diện địa phương cam kết tạo điều kiện thuận lợi trong việc sử dụng các mỏ vật liệu và bãi đổ thải nêu trên phục vụ cho tiểu dự án.

Xác nhận của địa phương **Đại diện tư vấn**


Nguyễn Minh Hoàng


Lê Việt Đình



Rapid Environmental Assessment (REA) Checklist

Instructions:

- (i) The project team completes this checklist to support the environmental classification of a project. It is to be attached to the environmental categorization form and submitted to the Environment and Safeguards Division (RSES), for endorsement by Director, RSES and for approval by the Chief Compliance Officer.
- (ii) This checklist focuses on environmental issues and concerns. To ensure that social dimensions are adequately considered, refer also to ADB's (a) checklists on involuntary resettlement and Indigenous Peoples; (b) poverty reduction handbook; (c) staff guide to consultation and participation; and (d) gender checklists.
- (iii) Answer the questions assuming the "without mitigation" case. The purpose is to identify potential impacts. Use the "remarks" section to discuss any anticipated mitigation measures.

Country/Project Title:

L2721-VIE – Greater Mekong Subregion Biodiversity Conservation
Corridors Project – Vietnam Component

Subproject:

Concrete Road to A Banh 2

Screening Questions	Yes	No	Remarks
A. Project Siting Is the Project area adjacent to or within any of the following environmentally sensitive areas?			
▪ Cultural heritage site		X	
▪ Legally protected Area (core zone or buffer zone)		X	No, subproject site does not locate near any protected area
▪ Wetland		X	
▪ Mangrove		X	
▪ Estuarine		X	
▪ Special area for protecting biodiversity		x	
B. Potential Environmental Impacts Will the Project cause...			
▪ impairment of historical/cultural areas; disfiguration of landscape or potential loss/damage to physical cultural resources?		X	No, the subproject site does not locate near any historical/cultural areas
▪ disturbance to precious ecology (e.g. sensitive or protected areas)?		X	No, there is no precious ecology in the subproject area

Screening Questions	Yes	No	Remarks
<ul style="list-style-type: none"> alteration of surface water hydrology of waterways resulting in increased sediment in streams affected by increased soil erosion at construction site? 	X		No. Kaoool Stream crossing the road at Km0+786.86. The suspension Bridge is still in good condition and could be utilized. There are 09 culverts will be constructed in total. The construction of the culvert could change the surface water hydrology and increased the sediment of the streams
<ul style="list-style-type: none"> deterioration of surface water quality due to silt runoff and sanitary wastes from worker-based camps and chemicals used in construction? 	x		The subproject road running along many streams (Kaoool, Karol, Sgi Ruonh...). During the construction phase, construction activities could cause negative impact on the surface water quality due to silt runoff
<ul style="list-style-type: none"> increased air pollution due to project construction and operation? 		x	Short construction period (3 months), small construction machine (mainly manual work) and small number of workers (20 workers), the construction site is in the open air so the impact to air quality is negligible.
<ul style="list-style-type: none"> noise and vibration due to project construction or operation? 		x	Short construction period, small construction machine (mainly manual work) and small number of workers so the noise impact is negligible
<ul style="list-style-type: none"> involuntary resettlement of people? (physical displacement and/or economic displacement) 		x	No relocation or resettlement in the subproject
<ul style="list-style-type: none"> disproportionate impacts on the poor, women and children, Indigenous Peoples or other vulnerable groups? 		x	The subproject will equally benefit local people
<ul style="list-style-type: none"> poor sanitation and solid waste disposal in construction camps and work sites, and possible transmission of communicable diseases (such as STI's and HIV/AIDS) from workers to local populations? 		x	The subproject construction time is short and the number of worker is small.
<ul style="list-style-type: none"> creation of temporary breeding habitats for diseases such as those transmitted by mosquitoes and rodents? 		x	
<ul style="list-style-type: none"> social conflicts if workers from other regions or countries are hired? 		x	Only 20 workers and half of them are local people so it will not make any social conflicts
<ul style="list-style-type: none"> large population influx during project construction and operation that causes increased burden on social infrastructure and services (such as water supply and sanitation systems)? 		x	Only 20 workers and half of them are local people will not make a large population influx.
<ul style="list-style-type: none"> risks and vulnerabilities related to occupational health and safety due to physical, chemical, biological, and radiological hazards during project construction and operation? 		x	
<ul style="list-style-type: none"> risks to community health and safety due to the transport, storage, and use and/or disposal of materials such as explosives, fuel and other chemicals during construction and operation? 		x	

Screening Questions	Yes	No	Remarks
▪ community safety risks due to both accidental and natural causes, especially where the structural elements or components of the project are accessible to members of the affected community or where their failure could result in injury to the community throughout project construction, operation and decommissioning?		x	The subproject connects to A Banh 1 concrete road with the low traffic frequency; the construction time is short (3 months) small construction machines (mainly manual) so the impact is negligible
▪ generation of solid waste and/or hazardous waste?		x	Short construction time (3 months), small construction machine (mainly manual work) and small number of workers (20 workers)
▪ use of chemicals?		x	Short construction time (3 months), small construction machine (mainly manual work) and small number of workers (20 workers)
▪ generation of wastewater during construction or operation?		x	Short construction time (3 months), small construction machine (mainly manual work) and small number of workers (20 workers)

Appendix 3

A Checklist for Preliminary Climate Risk Screening

Country/Project Title: L2721-VIE – Greater Mekong Subregion Biodiversity Conservation Corridors Project – Vietnam Component

Subproject: Concrete Road to A Banh 2

Screening Questions		Score	Remarks ⁵
Location and Design of project	Is siting and/or routing of the project (or its components) likely to be affected by climate conditions including extreme weather related events such as floods, droughts, storms, landslides?	1	The flood and landslide could happen in heavy rains or in flood seasons as the road running along streams and Kaool stream cross the road at Km0+786.86
	Would the project design (e.g. the clearance for bridges) need to consider any hydro-meteorological parameters (e.g., sea-level, peak river flow, reliable water level, peak wind speed etc.)?	0	
Materials and Maintenance	Would weather, current and likely future climate conditions (e.g. prevailing humidity level, temperature contrast between hot summer days and cold winter days, exposure to wind and humidity hydro-meteorological parameters likely affect the selection of project inputs over the life of project outputs (e.g. construction material)?	0	
	Would weather, current and likely future climate conditions, and related extreme events likely affect the maintenance (scheduling and cost) of project output(s)?	1	Landslide and flood could impact on the road and have negative impact to the maintenance process
Performance of project outputs	Would weather/climate conditions and related extreme events likely affect the performance (e.g. annual power production) of project output(s) (e.g. hydropower generation facilities) throughout their design lifetime?	0	

Options for answers and corresponding score are provided below:

Response	Score
Not Likely	0
Likely	1
Very Likely	2

Responses when added that provide a score of 0 will be considered low risk project. If adding all responses will result to a score of 1-4 and that no score of 2 was given to any single response, the project will be assigned a medium risk category. A total score of 5 or more (which include providing a score of 1 in all responses) or a 2 in any single response will be categorized as high-risk project.

Result of Initial Screening (Low, Medium, High): Low

Other Comments: The subproject will involve in concreting 1712.98m road from the start point connects with A Banh 1 Concrete Road to A Banh 2 commune. Around 50 households in A Banh 2 commune will be benefited from

⁵ If possible, provide details on the sensitivity of project components to climate conditions, such as how climate parameters are considered in design standards for infrastructure components, how changes in key climate parameters and sea level might affect the siting/routing of project, the selection of construction material and/or scheduling, performances and/or the maintenance cost/scheduling of project outputs.

the completion of the subproject. Kaool Stream crosses the subproject road at Km0+786.86 and the suspension bridge is already constructed and it is still in good condition. There are several streams in the subproject area (Kaool, Karol, Sgi Ruonh) and 8 culverts will be constructed. Land slide/ soil erosion could happen in the heavy rain condition; sediment runoff could impact on the quality of the surface water and impact on the water resources of A Banh 1 and A Banh 2 villages. The subproject is also having a medium risk on preliminary climate risk screening as the natural disaster such as flood, landslide could impact on the quality of the road and weight the budget and time for subproject maintenance. Thus, the subproject has been categorized B on environment and required an Initial Environmental Examination (IEE).

Prepared by: Nguyen Thanh Duong – National Environmental Safeguards Specialist.

SUBPROJECT ENVIRONMENTAL CATEGORIZATION FORM

A. Instructions:

(i) This form is to be completed by the PPMU environment officer with assistance from the NESS and submitted to the Project Director for endorsement before being submitted to ADB for review and approval.

(ii) The environment categorization of a subproject is a continuing process. If there is a change in the components or/and site of a subproject that may result in category change, another categorization form should be resubmitted to ADB for review and approval.

B. Subproject Data:

Title: Concrete Road to A Banh 2, Tr'Hy commune, Tay Giang district, Quang Nam Province

Province/District/Village: Quang Nam/Tay Giang/Tr'Hy

Date: June 2016

Provincial Project Office: Quang Nam PPMU - Processing Stage: _____

Coverage: [1] Province [1] District [1] Village

C. ADB Environment Category: [x] New [] Re-categorization --- Previous Category

☐ Category A

☒ Category B

☐ Category C

Comments: This sub-project is ranked as category B. The subproject involve in concreting 1712.98m road with foundation width of 4m and surface width of 3m from the end point of A Banh 1 Concrete road to A Banh 2 village. The subproject scale is small (mainly manual work) in short construction time (about 3 months) with small number of workers (20 workers) so the negative impact is not large. However, as Kaool stream crosses the road at Km0+786.86 and the road located in the dense stream network, soil and sediment runoff could happen in the construction phase and impact on the surface water quality.

Government Environment Category

☐ Subproject requiring EIAR

☒ Subproject requiring EPP

Comments: According to Decree No.18/2015/ND-CP dated 14th February 2015 and Circular No. 27/2015/TT-BTNMT dated 29th May 2015, this sub-project will prepare Environmental Protection Plan (KH BVMT). The structure to be applied is in Appendix 5.4 and 5.5 of the Circular No.27/2015/TT-BTNMT.

E. Documents attached: *The categorization will be considered incomplete if proper documentation is not attached.*

Basis for Categorization/ Re-categorization:

- ☒ REA Checklist (must be attached)
- ☒ Subproject and/or Site Description (must be attached)
- ☒ Other: Initial Environmental Examination report (IEE)

Terms of Reference for IEE:

- ☐ Key issues identified and attached
- ☒ Under preparation and will be submitted on 30 June 2016

F. ADB Environmental Assessment Requirements

Please check one:

☒ **Category B:**

- Initial Environmental Examination (IEE)
- Public Consultation

☐ **Category C:**

- Review of Environmental Implications

H. Signatures

Please check one:

☐ **ADB to approve**

☐ **CPMU Director to approve**

Note: The first categorization of a subproject within a sector will require approval of ADB. If the recommended categorization is approved by ADB, authority for categorization approvals in that sector will be delegated to the CPMU, and all subsequent subprojects categorizations in that sector may be approved by the CPMU Director. ADB will be informed of the results.

CPMU

Category Assigned by:

Project NESS

Date: _____

Approved by:

Project Director

Date: _____

ADB

Endorsed by:

Environment Officer, VRM

Date: _____

Approved by:

Chief Compliance Officer

Date: _____

