

6. Social Assessment

Subproject Beneficiaries

The total population within the road influence area is 6,410 individuals or 1,283 households, broken down as follows: Barangay Dapacan Bajo - 604 individuals or 121 households; Dapacan Alto – 1,005 individuals or 201 households; Bunawan – 1,346 individuals or 270 households; and DBAN – 3,455 individuals or 691 households belongs to economically active population 3,243 and 3,167 are male and female, respectively.

During the conduct of Participatory Rapid Appraisal where in the purpose is to update the Barangay Development Plan of the said 3 barangay. The Planning Team identified the Proposed Construction/Concreting of Dapacan Bajo-Bunawan- Don Bernardo A. Neri Farm-to Market Road with Spillway Bridge as one of their priority project to be funded under PRDP year 1. The plan was validated during the conduct of barangay assembly; still the community repeatedly proposed the project, in support to the economic activities of the three barangay so with to the influence area of the proposed project. The project has been included in the Barangay Development Plan and endorsed to the Municipal Development Council for integration to the Municipal Development Plan of the municipality.

Indigenous Cultural Communities/Indigenous Peoples

The subproject site is not in an ancestral domain nor is it located in a proposed ancestral domain claim. It is an agricultural area where the direct influence area is far from a community of indigenous peoples. Most indigenous peoples are situated in Brgys. Singalat and some interior barangays.

Site and Right-of-Way Acquisition

The proposed road is an existing road facility connecting the three barangays. Road right of way is no longer a problem. The Office of the Municipal Assessor issued a certification that the proposed road is an existing road and the land owner signified their intention to donate portion of their area for the road right of way of the proposed construction/improvement of the road. The constructions activities in upgrading the road section will be extended to 10m clear width or more.

Around 450 sqm of land will be acquired from the affected land owners through donation. However some project affected persons will only relinquish the crops/ trees planted which encroached the set road right-of-way. Out of the 12 PAPs only three (3) individual landowners was found to donate a portion of their lot (Please see Table below). The remaining nine (9) individuals relinquish the planted coconut trees encroaching along the RROW

Name of HH	Total landholdings (sqm)	Area to be acquired for the project (sqm)	Remarks
Epifania Razonado	2986	150	Donated
Leonora Chicano	2986	150	Donated
Salle Maligsa	2986	150	Donated

Damage to standing crops, houses and/or properties

The road project will result to clearing or cutting of planted trees that are along the RROW. Although the trees will be in a form of donation, however, the LGU is the one who is obliged to process and pay the cutting tree permit. The lumber from the cut trees will be turned over to the PAPs. All the trees to be cut have been issued with tree cutting permits either from DENR or PCA. Table below shows number of crops or trees to be cut and cleared.

Name of PAP	Type of trees to be cut	Quantity
Eustaquio Buhisan	Coco	8 trees
	Mahogany	24 trees
Epifanio Razonado	Bamboo	1 hill with 10 stems
	Mahogany	15
	Coconut	2
Leonora Chicano	Coconut	3
	Banana	5
	Gemelina	2
Salle Maligsa	Bamboo	6
	Coconut	3
	Falcata	3
Jovita Mutia	Mahogany	8
	Falcata	2
	Marang	1
	Mango	8
Betty Tamal	Mahogany	3
	Coconut	1
	Marang	2
Pio P. Benigno	Falcata	6
	Coconut	8
	Jackfruit	3

Valeriano Duhaylungsod	Falcata	10
	Coconut	3
	Banana	3
Dominic Dominise	Lanzones	4
	Banana	11
Cirila B. Atay	Marang	2
	Coconut	5
Erlinda Bolotaulo	Coconut	4
	Mahogany	5
Antonio Jangad	Bamboo	10 stems

Physical Displacement of Persons

The project will not cause any displacement nor relocation of households since the area is more of an agricultural area than a residential area. Moreover, the residential structures are far from the road alignment.

Economic Displacement of Persons

There will be no economically displaced individuals. The beneficiaries will not be hindered to access their farms as there are a number of access routes to their farms.

7. Environmental Assessment

Natural Habitat

The project site is an agricultural area, mainly planted to coconut. Animal species in the area are mostly domesticated farm animals such as carabaos, cows, goats, and horses. Although there may be some wildlife in the area such as reptiles species and birds. The project area is not home to endangered nor to vulnerable species.

Physical cultural communities

Actual site inspection of the area revealed that there are no structures, monuments that will be affected by the subproject.

The road will have minimal impact to the landscape as the road is already in existence however it was only an earth road. Clearing the road and attaining the proper

grading of the road may give some impact to the landscape of the road. However it is foreseen as very minimal and temporary.

Terrain, Soil Types and Rainfall

The project areas terrain is gently undulating to rolling. Soil is mainly covered with two types of parent materials; namely: alluvial/alluvium and pyroclastic, in almost all parts of the area. It is characterized as generally deep to very deep, well drained, clayey texture of various surface colors as brown to dark brown and it is more of a compact non-erosive material.

Type IV or Intermediate B type of the Corona System of Classification. Rainfall is more or less fairly distributed throughout the year. There is no pronounced dry season. The wet months are in November and December, the latter being the rainiest. The barangay is dry in March to April, with the latter being the driest month.

Hazard/Risk Assessment

Slight erosion was observed in the following barangays: Magcamiguing, Southwestern Poblacion, Don Bernardo A. Neri, Langub, portion of San Isidro, Sulipat, and Calaran. However, in Barangay Dapacan Bajo, there were just minimal or insignificant erosion.

Soil Erosion - Temporary sedimentation of natural drainage ways, concentrated outflows from drains

Mitigating measures:

- Careful planning of cut & fill of earth surface
- Placement of adequate drain outlets and turn outs.
- Lining of receiving surface of outflow drains stones and/or concrete
- Re use of cut soil for backfilling and other land leveling Activities
- Seeding and planting of erodible surfaces

Vegetation – Trees may or may not necessarily be cut, tramping of shrub vegetation, through minimal, may occur on right-of-way waste dumps and equipment yards.

Mitigating measures:

- Leave vegetation to allow It to regenerate
- Planting of appropriate indigenous tree/plant species to protect embankments.

Solid Waste – Improper disposal of construction waste materials, workers garbage and construction toilet.

Mitigating measures:

- Efficient housekeeping practices
- Proper collection and disposal of waste

Siltation – Stock piles of soil and rock could be eroded during heavy rains and silt up creeks and streams.

Mitigating measures:

- Susceptible soil surfaces should be protected with sandbags at segments near waterways to serve as soil barriers.

Accidents to Workers- potentially exposed to work related hazards such as falls, tripping, slippages that may result to injuries and even loss of life.

Mitigating measures:

- Sealing-off of construction site;
- Placement of **WARNING** signboards;
- Use of protective equipment by laborers.

Status of Environmental Clearances

The project has been issued with ECC from DENR and the needed cutting tree permits were already granted. (Please see attached files).

