

## **A. Social Assessment**

### **6.1 Project Beneficiaries**

The direct beneficiaries of the project are the 1,923 population as of 2010 1,000 males and 923 females and 410 household census on population and housing, however there are 976 Indigenous People (Tribe - Dibabawon) and 678 Non-IP inside the barangay. Their socioeconomic status is farming (rice, corn, banana etc.). On February 8, 2011, a barangay consultation was conducted in Binancian by the technical staff of the Provincial Planning & Engineering Development Office. It was attended by the Barangay Officials, namely: Barangay Captain, Barangay Kagawad, Day Care Worker, BNS, BHW, Purok Chairman, Tribal Chairman & other members of the community. They were asked if they agree with the project and their response was positive, with open arms. There were concerns raised during the consultation, 1) Aside from this project proposal, will there be another MRDP project that will cater farm to market road? 2) They were expecting that the proposed project will be implemented the earlier the better. The minutes of the meeting dated February 8, 2011 was personally recorded by the Acting Secretary in the Barangay and duly signed by the Barangay Captain. It was handwritten and attached as supporting document of this FS. Further, the attendance sheet dated February 8, 2011, specified the kind of persons who attended in the consultation, including the women representative in the barangay. The women in the barangay were given livelihood project which is animal dispersal and it is an on-going project.

### **6.2 Indigenous Cultural Community/Indigenous Peoples (ICC/IP)**

The project is located inside an ancestral domain and classified under CADT. It is going to affect the IP community who are themselves beneficiaries of the proposed project because it is inhabited by 80% of the Dibabawon Tribe; however their houses were situated in the upper portion of the barangay. They are mostly farmers and rely in their farm products (Corn, Rice, Banana, ect.) for subsistence. The tribe solicited for the proposed project and it is their immediate need. In fact the Binancian Tribal Council passed Resolution No. 01-2011 requesting the Provincial Governor of Davao del Norte to allocate funds for the rehabilitation of farm to market road of Barangay Binancian, Asuncion, Davao del Norte which is attached as supporting document. The provincial NCIP already conducted Field Base Investigation (FBI) for the said proposed sub projects. Attached herewith the certification of validations from the provincial NCIP and Certificate Precondition (CP) issues November 11, 2014 from the National Commission on Indigenous Peoples (NCIP) from the central office.

### **6.3 Site and Right-of-Way Acquisition**

The proposed site or right-of-way is an existing road. The status of land tenure is stewardship. The existing land use is agricultural planted with corn, cacao, banana, coconut, mango, durian, rubber and other crops. There are portions of the road that traverses claimant's properties, but these claimants signified willingness to relinquish their rights in favor of the project in a form of deed of donation as certified by the Municipal Mayor. From total of 1,332,258.00 sq.m, only 94,347.38 sq.m which an average of 7.07% will be acquired to their land during implementation of the projects. Maximum of 8.88% individual lot owners donated compare to their total land holding (Table No. 1). This

signifies that farmers donated portions of its land are not economical affected to their living. There are no trees to be cut and only shrubs that natural grows will be affected. Attached are Forms on Entitlement Survey of Displaced Persons with corresponding Deed of Donations signed by individual claimants/landowners and duly notarized.

Table No. 1

HH Survey No.	Name of Head of Household	No. of Persons in HH	Total Landholding of HH in sq. m.	Land to be Acquired in sq. m .	Land Type	Land Loss as % of Total
1	Epifanio Anima	1	71,092	5,000	Agricultural	7.03%
2	Anastacio Banagbanag	1	20,000	1,600	Agricultural	8.00%
3	Hilarion Labador	1	60,000	4,800	Agricultural	8.00%
4	Jose Cadutdut	1	11,453	916.24	Agricultural	8.00%
5	Armando Atake	3	11,453	916.24	Agricultural	8.00%
6	Jerryson Cadutdut	5	11,454	916.24	Agricultural	8.00%
7	Joerin Cadutdut	2	11,453	916.24	Agricultural	8.00%
8	Felino Pugon	5	111,607	9,285.60	Agricultural	8.32%
9	Jerry Arnejo	4	991	79.28	Agricultural	8.00%
10	Vergelio Laraga	5	3,011	240.88	Agricultural	8.00%
11	Pedro Dagpilan	6	10,000	800	Agricultural	8.00%
12	Hermes Bordios	6	80,990	7,192	Agricultural	8.88%
13	Zacarias Bordios	3	45,000	3,600	Agricultural	8.00%
14	Cerila Datulayta	4	16,292	1,303.36	Agricultural	8.00%
15	Gasi Kigod	5	100,000	8,000	Agricultural	8.00%
16	Francisco Sarzuela	5	22,156	1,772.48	Agricultural	8.00%
17	Jerry Arnejo	4	161,175	1,284.36	Agricultural	0.80%
18	Jerry Arnejo	4	30,000	1,284.36	Agricultural	4.28%
19	Felisa Lumayag	6	90,000	7,200	Agricultural	8.00%
20	Felix Capuyan	2	103,091	8,247	Agricultural	8.00%
21	Teodoro Capuyan	2	52,987	4,347.52	Agricultural	8.20%
22	Basilio Alegado	3	54,344	4,238.96	Agricultural	7.80%
23	Dioscoro Menoza	5	107,810	8,624.80	Agricultural	8.00%
24	Justino Magson	5	95,899	7,671.82	Agricultural	8.00%
25	Gavino Torentera	4	50,000	4,000	Agricultural	8.00%
<b>Total</b>		<b>92.00</b>	<b>1,332,258.00</b>	<b>94,237.38</b>	<b>Agri</b>	<b>7.07%</b>

#### 6.4 Damage to standing crops, houses and/or properties.

During the implementation of the project, there will be no persons or structures properties that will be damaged since the community were previously informed by the Barangay Officials not to construct their houses near the road. When there are still farmers to utilized portion of their land planted crops that are ready to harvest, barangay official will inform to farmers that they will not utilized for next cropping when the sub project approximately to start. The residents are more concerned on the benefits that they will acquire if the proposed project will be implemented and realized.

#### 6.5 Physical displacement of persons

There will be no displacement among persons, most are permanent residents of the barangay and are farmers themselves and that, they were previously informed by the barangay officials not to build houses near the road section, and eventually houses are situated at the upper portion in the barangay.

#### 6.6 Economic displacement of persons

It was mentioned earlier, that there are no trees and crops will be affected only portions of their land will be acquired during implementations of the subproject and were likewise considered as minimal losses on the part of the farmers, and cannot be considered as losses to the economy of the barangay and to the individual farmers. The subproject is however considered a passage for economic development in the area since it will paved the way for exchange of trade and commerce with the presence of a concrete road facility.

## **B. Environmental Assessment**

### **7.1 Natural habitat**

The project site only traversed lands planted with farm products (rice, corn, banana etc.). There were no presence of water bodies along the proposed road projects. It does not affected the vegetation, wildlife and other importance species nor it is located outside of protect area of natural habitat.

### **7.2 Physical Cultural Resources**

As mentioned earlier, the proposed road is an existing one, hence there are no structure, monuments or physical cultural resources which can be found on site that will be affected by the subproject. If during the implementations of the projects, chance archaeological/Paleontological finds procedure for the sub projects should be observed as attached to the feasibility study.

### **7.3 Terrain, Soil Types and Rainfall**

The topography of the proposed project site is rolling. The soil type is sandy clay loam. Due to the soil type consideration, mitigating measure were properly address in ESMP of which were some station of the road projects were need slope protections (*Bioengineering with geomat and cover crop*). During rainy days it becomes muddy. However, there are no unpronounced dry and wet seasons, rainfall is more or less evenly distributed throughout the year.

#### **7.1 Hazard/Risk Assessment (Drainage Situations, Erosion and Flooding Potential)**

The soil type of the area remarks a better drainage and infiltration of water, however canal lining has been provided on the subproject to protect the carriageway and prolong the usage of the facility. The areas are potential to flooding since the three barangays in the eastern part are traversed by Lasang River. The presence of the creeks also during heavy rainfall contributes flooding on portions of the barangays.

The subproject will contribute largely to the proper drainage system of the area providing canal lining and culverts directing the runoff water to proper outfall such as rivers and creeks.

The project area as mentioned earlier is rolling, however, it has a portion Considered critical slope of 12% and that there is a need to construct cross Drainage.

### **7.2 Status of ECC application, tree cutting permit**

This application for Certificate of Non Coverage (CNC) have been issued by the office of the Department of the Environment and Natural Resources (DENR) through the Environment and Management Bureau (EMB) with certificate Number CNC-r11-1104-0026 dated April 8, 2011.

### **7.3 IPM-FFS or KASAKALIKASAN**

Thru the Department of Agriculture Regional Field Unit XI, the proponent (*Province of Davao del Norte*) has already undergone season long training (14-16 weeks) on Integrated Pest Management, Farmers Field Schools (IPM-FFS) or Kasaganaan ng Sakahan at Kalikasan (KASAKALIKASAN) to their Agricultural Technician (AT) and farmers beneficiaries with series of actual activities on the field. It aims further to reduce risk pesticide-induced pest outbreak, health hazard to farmers and consumers and environmental damage, training on proper pesticide use, handling and storage, raise and stabilize farm incomes and strengthen farmer organizations and farmers managerial capability.

### **7.4 Source of Quarry Materials**

The source of quarry materials for this project where located in Municipality of Asuncion, Barangay Saug which is called Saug river. For about 12 km away from the propose road projects. The Saug river were potentially quarried Item 200 for sub base preparation and item 201 base course. It is existing quarry source of which already approved quarry source from Province of DPWH, the other source located in Barangay Macdum, Municipality of New Corella, it is also existing quarry source which already serve many project of different funded agency, approximately 12.00 kms from the propose sub project site.