A. SOCIAL ASSESSMENT

1. *Subproject Beneficiaries*

Majority of the project beneficiaries are the farmers which about 814 population within the influence area. The provincial government of Davao Oriental conducted consultation meeting with the coordination of provincial planning and with the assistant of barangay mikit official. The consultation was held in barangay hall in Mikit on April 30, 2013. It was attended by locality and the identified private lot owner that could be affected during the implementation of the projects. During the consultation they were excited and accepted the proposed projects since they have most awaited to improved their road access and bridge. The identified private lot owner were voluntarily donate portions of their lot just to pursue the implementation of the project. They were ask, when to begin the implementation. If the documents are already well prepared, it will endorse to the DA region and endorse to the DA PRDP office for prior review and approval. Attach minutes and attendance during the consultation meeting.

2. *Indigenous Cultural Community/Indigenous Peoples (ICC/IP)*

Ninety-nine percent of the residents of Barangay Mikit are descendants of the Mandaya Tribe. But the Municipality of Baganga is Outside the ancestral domain, the presence of Mandaya tribe are only mingrant to the municipality. Farming is the source of income of the majority of the household since the barangay is an agricultural area they are dominant in coconut and some isolated abaca farms in the barangay. The province were initiated to apply Certificate of Non Overlap (CNO) to the NCIP to ensure that the proposed subproject properly introduce.

3. Site and Right of Way Acquisition

During the survey conducted by the Provincial Government personnel together with Barangay Officials. The road right of way were already define 8 to 10 meters wide. Only portion of their lot to be acquired which located in abutment A and B. Mr. Antinogenes B. Batao is the 1st household to be affected with an estimate of 2,640.0 sq.m. A family of three (3), Mr. Batao is a typical farmer married to Ms. Paraloman M. Batao. It was later learned that the area (12,795.0 sq. m.) of Mr. Batao is only portion of 51,162.0 sq.m. which is owned by his late grandfather, Mr. Juan Masudo Bagtusan.

The head of the second household is Mr. Lopez Matucading. Mr. Matucading, married to Ms. Jacubena Matucading, deceased, with six (6) siblings, and owns the 8,099.0 sq.m. agricultural land in which portion (1,716.0 sq.m.) of the property will be affected by the construction *(please refer to the table as shown below)*.

The least property to be affected is owned by heirs of Mr. Pancracio and Felomina Liwana with 924.0 sq.m. Out of his seven (7) siblings, only four (4) are currently residing at Brgy. Mikit, Baganga, Davao Oriental. It was found out that a total of 5,280.0 sq.m. will be the approximate and/or maximum damage to be inflected in the below-enumerated properties during the construction of the project.

No.	Project Affected Person/Owner	Approach	Boundaries	Land Classi-fication	Total Land Holding (sq.m)	Property to be affected (sq.m)
1	Antinogenes B. Batao	Beginning	*North, by 05; East, by 05; South, by 009 LOT 781 and West, by Mikit River*	Agricul-tural	51,162.0	2,640.00
2	Lopez Matucading	End (upstream)	*North, by Brgy. Road; East, by Mikit River; South, by Mikit River and West, by 09*	Agricul-tural	8,099.0	1,716.00
3	heirs of Mr. Pancracio and Felomina Liwana	End (downstream)	*North, by 03; East, by 05, Mikit River; South, by Road and West, by 002, Lot 1485 PT*	Agricul-tural	10,000.0	924.00
TOTAL					69,261	5,280.00

4.Damage to Standing Crops, House and/or Properties

Since the road has already define and just need to rehabilitate. It will not cause cutting of trees nor structure that could be damage during the implementation of the projects. Thus the permit to cut will be not needed. To rest assured the municipal support staff conduct geotag to the propose sub project for more references.

*5.*Physical Dispalcement of Person

The proposed project will not result in the relocation of houses and will no displaced any person. Thus resettlement plan will not needed. The houses are strategical located outside the road right of way.

6. Economic displacement of Persons

Being an existing road, the project will not cause any loss of livelihood or reduced access of families to their traditional livelihood sources.

ENVIRONMENTAL ASSESSMENT

1. Natural Habitat

The proposed sub projects of FMR is strategically located outside the ancestral domain or in protected area of which there are no natural habitat in the proposed projects. It was rehabilitated for many years ago. The influence are is purely agricultural land and majority of the commodity are coconut. It will not traverse in the mountenouse area and free from flora and fauna. Presence of Mikit river is were location which were the proposed bridge is to contract, the highest flood level (HFL) of the bridge reach in 16.00 meters below sea level and the original water level 13.71 meters below sea level. 2.29 meters increase when the flood arise, there are enough distance stimated 2.5 meters free board (from highest flood level to the bottom bridge slab) see attached Detailed Engineering Design.

2. Physical Cultural Reosurce

There are no structure,monuments or physical cultural resources protected area in the influence area of the proposed sub projects. The municipality assured they allocated the right location for burial ground.

3. Terrain, Soil Types and Rainfall

The types of soil within the project area its capability and qualities are basically important in the planning of land use. There are four (4) types of soil classified antipolo Clay Loam, Hydrosol, Faraon Clay Loam and San Manuel Silt Loam.

The area is classified as a Type 1 Philippine Weather classification with a heavily pronounced dry and wet season. The dry season starts in November to April while the wet season is in the months of May-October. Peak months for heavy rains usually occur during months of November to December with rainfall intensity of as much as 400 mm per month. During the Subsurface Soil Investigation report conduct by the service provider of Province *(Qualitest Solutions & Technologies, INC.)* for the construction of bridge, the commong type of soil that they explore are Silty Sand, Sand Silt Mixture, Clayey sand, Sand –Clay misture and gravel.

4. *Hazard/Risk Assessment (Drainage Situations, Erosion and Flooding Potential)*

To minimize the increase of the quantity of flows on the receiving streams and rivers, appropriate flooding measures such as planting of trees and vegetation on riverbanks and to lessen the stream flow by way of infiltration.

Storm water run off will increase as a result of a wider span of cleared area for the ROW and the increase of run off coefficient. Flooding on the road surface is mitigated by the introduction of road cambers leading the runoff immediately outside of the roadway to the intercepting canals and drainage outlets.

5. Status of ECC/CNC application, tree cutting permit

The subproject, Rehabilitation of San Isidro Junction – Mikit FMR with Bridge Component falls under the IEE category and conforms to non-coverage criteria of the Department Administrative Order No. 96-37 of the Department of Environment and Natural Resources (DENR) in terms of location, employment and technology due to reasons that the location of the subproject conforms with the approved land use plan of the municipality of Baganga, Davao Oriental , the project will require not more than 20 persons at single given time during the course of implementation, and does not require the use of toxic and hazardous materials as the subproject will be executed by employing conventional but appropriate road construction technology. The municipality has already applied for Environmental Compliance Certificate (ECC) from the DENR-EMB. Please see attached files of application letter.