

D. Social Assessment

6.1 Local Community Participation during planning and preparatory activities

6.1.1 Project Beneficiaries

Barangay Punawan to Barangay Sioton with 1,724 populations and for about 307 household are benefited of this projects which are coastal barangays of the municipality and farming, fishing are the main source of livelihood of the people. Copra, rice land, corn, banana and cassava are being produced from this barangay. During the consultation conducted of the said two (2) barangays the upgrading of Punawan - Sioton Farm to Market Road was identified as priority project of the community during the barangay development planning workshops, participated by different Sectoral groups and was, adopted by the Barangay Development Council of the two (2) barangays respectively and approved by their respective Barangay Kagawad. This proposed project was inspected and surveyed by the technical personnel of the Local Government Unit of Mabuhay, Zamboanga Sibugay and prepared the technical documents and was indorsed to the Department of Agriculture under its PRDP program for the construction and upgrading of farm to market road. (Annex B. Barangay resolution and minutes of consultation of barangay official and affected persons.)

6.1.2 Indigenous Cultural Community/Indigenous Peoples (ICC/IP)

The results of the Road Alignment Survey show that there are no ancestral lands traversed by the existing road either for development and rehabilitation/improvement. The usual situations of IPs (subanen) landholdings are in the peripheral areas. Hence Indigenous People are not affected relative to the pursuit of subproject implementation. There are no subanen of the total population in the area that are affected in the road rehab. During the community consultation with the IPs community, the group in full consensus granting approval of the propose sub- project since a certification from the representative of the IP's is attached in the Social Environmental safeguard. To assured, the municipal has acquired Certificate of Non-Overlap (CNO) to the NCIP office relations to the propose sub projects. (Please see attached CNO. Annex C)

6.2 Road Right of Way

LGU Departments of Engineering and Assessor(land) combined forces conducted the surveys, parcellary mapping, identification of right of way allocation (including future expansions), land ownership, deed of donations and other aspect of road development.

The construction and Upgrading of Farm to Market Road covers 7.95 kilometer with a width of ten (10) meters include shouldering on both sides. Affected land owners voluntarily donated their piece of land for the development of the area, which in return they will be benefited out of the road project, and Deed of Donations of the affected landowners has been already executed. Local Government Unit now will assume the ownership of the road right of way and it will be deducted from the

original parcel of respective landowners for land tax purposes. This is also in preparation of Electrification program that will come next.

Retracing historical backgrounds was reinforced through casual queries, interviews and from written notes, stories or even folklore as traditional sources of information.

Consultative meetings conducted to elicit consensus, positive acceptance and total in agreement of concern for the general welfare of the PAP.

6.3 Project Affected Person/s

The proposed farm to market road project will not cause displacement/relocation of any structure. There are some coconut trees will be cut the lot owner signify their support to the projects by signing the deed of donation. *(Please see attached Entitlement Survey form 2). (Annex D.)*

6.3.1 Damage to standing crops, houses and/or properties

Since the propose site is already existing road and just need rehabilitation, some coconut trees will be cut, it will not result to structural properties damages and or losses. The Municipal also request a permit to cut to the Philippine coconut authority to assured the quantity and mitigating measures during the implementations of the projects. *(please see attached files in annex E permit to cut from PCA).*

6.3.2 Physical displacement of persons

Houses were built in its proper place/distance after the road opening. Therefore there will be no relocation of houses and affected properties upon the actual conduct of project implementation.

6.3.3 Economic displacement of persons –

As a direct demand driven project it is largely presumed that the general public atmosphere is one of joyous expectation.

During the conduct of Barangay consultation and re-surveying of the road to be constructed and upgraded, the residents affirmed that their traditional livelihood sources will not be affected instead, access to public markets, sizable cut in transport fare, lower cost of farming with increased bargaining chances of higher sales or retail gains but a few of the realistic benefits envisioned.

6.4 Social Impact to Project Beneficiaries and Others

It is expected that upon completion of the subproject, access to better services can be availed by the local residents within the influenced area but not limited to:

- Transport convenience
- Shorter travel time
- Speedy and safe delivery of quality farm products
- Convenient of delivery of commodities and farm inputs
- Increase of agricultural production
- Easy access to public facilities & services
- Increase in economic activities in the influence area
- Lesser school drop-outs

- Fast delivery of basic services
- Uplift standard of living
- Increase of revenues.
- Decrease of birth incidence
- Decrease of Mortality on Waterborne disease (Dengue)

6.2 Environmental Safeguard Aspects

6.2.1 Natural habitat

The proposed sub – project neither is free of any wildlife, endangered species nor affects any protected areas since the said site was already opened since 1989 under DPWH funds. Appropriate and necessary requirements had been complied.

6.2.2 Physical Cultural Resources

The proposed site of the sub-project was opened and funded by the DPWH, and does not traversed any structures, monuments or physical cultural resources since it was already issued clearance during the implementation.

6.2.3 Terrain, Soil Types and Rainfall

The propose site is partly rolling and the slope does not exceed 7%. The soil type is clay to silky clay and not prone to land slide and erosion. The occurrence of rainfall in the area is moderate since Mindanao area is not typhoon belt particularly Zamboanga Sibugay.

6.3 Hazard/Risk Assessment (Drainage Situations, Erosion and Flooding Potentials)

6.3.1 Drainage Situations and Flooding Potential

No occurrence of flooding incidence recorded during heavy downpour on the propose site. Further, the site has its natural drainage system since in the propose project site the rainwater flows directly to the sea. Impacts during Construction

(a) Temporary erosion and sediment control –The topography of the road alignment do not necessitate massive earth moving and cutting of clayey or loose topsoil, and this would result or generate significant sediment. Natural drainage system is also present on the proposed site so that there are no measures required for the provision of filter barriers or settling basins for the runoff discharged.

(b) Construction noise mitigation – The construction is purely rehabilitation and the major works is slight excavation, re-shaping of final design grade of road structure, compacting and hauling of aggregate materials and installation of culvert pipes. However, during the hauling/transporting of construction materials, the speed must be

regulated by the contractor to avoid excessive noise on the populated areas.

(c) Proper handling of construction wastes –Temporary waste disposal facilities must be provided by the contractor in consonance with the government regulations re: Proper Waste Disposal.

(d) Safety – Contractor must provide safety precautionary construction gadgets to ensure the life of the workers. Standard construction safety protocols must also be observed for the Safety of workers and the public.

6.3.2 Status of ECC application, tree cutting permit

This application for Environmental Compliance Certificate 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 ECC-R09-1305-0049 dated May 29, 2013 (Annex F)

E. Environmental Consideration

7.1 Environmental Management Plan for the proposed FMR sub-project

Name of Road	: Construction and Upgrading of 7.95 km. Punawan-Sitio Pagaypayan-Sioton Farm to Market Road
Location	: Brgy. Punawan & Brgy. Sioton, Mabuhay, Zamboanga Sibugay
Implementing LGU	: Municipality of Mabuhay, Zamboanga Sibugay
Estimated number of beneficiaries	: 1,724 Population and 307 Household
New or Rehab	: New Construction and Rehabilitation
Estimated Total Cost	: P 89,306,064.91

A. Site and Design Consideration

The proposed Subproject is a combination of Construction and Rehabilitation of Punawan to Sioton which was opened thru the DPWH fund last 1970's. Due to insufficient fund of both BLGU and MLGU, the project was limited to Road Opening and left some portion earth road and a portion of graveled road only.

Since the Proposed Subproject is rehabilitation, the road does not encroach into or traverse any declared protected area of natural habitat but this project passes through a developed fishpond that will connect the two (2) barangays. Further it will not displace, disfigure or destroy any structure of cultural and historical significance.