TEMPLATE FOR RURAL/FARM-TO-MARKET ROADS

Name of Road: Rehabilitation of New Visayas – Binancian FMR

Location: Brgy. Binancian,

Implementing LGU: Province of Davao del Norte

Estimated number of beneficiaries: 410 household.

New or Rehab: Concreting

Estimated Total Cost: P 78,855,773.16

Issue (Potential Impact)	Assessment (Sample assessments)	Mitigation Measure	Schedule/ Duration of the Mitigation Measures	Instrument of Implement ation (POW, Contract, IDP, or O&M Plan)*	Respon sible Unit
1. Temporary increase in sedimentation during construction	[V] Topography of the road alignment necessitate massive earthmoving and cutting of clayey or loose topsoil [] Cut materials will consist mainly of hard rocks and are unlikely to generate significant sediments	[V] Earthmoving/ cutting of slopes to be done during dry months [V] Proper disposal and compaction of spoils [] No measures required	During Sub grade preparations (BAR CHART/S- Curve)	POW/DED	Contractor
2. Potential contamination of surface and groundwater with oil/grease	[V] Waste oil and grease from equipment could contaminate surface water [] There will be no or insignificant amount of waste oil/grease	[\vee] Proper handling and disposal of waste oil and grease	Before Start of the SP	Contract	Contractor
3. Potential contamination with human waste	[V] Construction workers would be temporarily housed in a base camp [V] Workers would be mostly locals and are expected to go home to their respective houses after works	[V] Set up adequate latrine/toilet facility at the base camp	Before start of the SP	Contract	Contractor
4. Potential disruption of traffic flow	[V] The access road and/or segments to be rehabilitated need is vital to daily activities of the residents and farmers and need to be kept open to traffic during construction [] The construction will not affect daily movement of residents and farmers	[V] Keep the road open to traffic flow and minimize disruptions along the access road and/or construction area; Provide adequate warning signs and traffic personnel when necessary; [V] Undertake regular maintenance measures on the passable portions of the roads [] No measures needed	During the implementation s of SP	Contract	Contracto

construction/ rehabilitation works passes through a populated area [v] Access road and/or construction/ rehabilitation does not pass through any populated area	[V] Set up speed limits for vehicles, especially within residential areas[] No measures needed	preparation (BAR CHART/S- Curve)		
6. Landslide/ erosion of exposed road sides resulting in sedimentation of waterways Station 5 + 830.00 5 + 840.00 5 + 880.00 5 + 880.00 5 + 880.00 6 + 230.00 6 + 240.00 6 + 280.00 6 + 380.00 6 + 380.00 6 + 380.00 6 + 380.00 6 + 380.00 6 + 380.00 6 + 380.00 6 + 400.00 7 + 400.00 7 + 400.00 7 + 400.00 7 + 400.00	[V] Include slope protection works at the following stations: [V] Bioengineering with geomat and cover crop Station Side slope Length (R) Side slope Length (L)	After construction of the road segment (BAR CHART/S-Curve)	DED/POW	contractor

							1
STATION LIN	NITS						
FROM	ТО						
	+ 622.28 + 053.98						
	+ 171.65						
	+ 257.43						
	+ 310.25						
	+ 482.88						
	+ 576.85						
	+ 592.05						
	+ 854.98						
	+ 650.00						
l	+ 660.00	_					
6 + 920.00 7 [V] The exposed slopes v	+ 170.00 vill						
likely consist of highly er							
loose materials							
[] The cut slopes will be							
materials that would resi	st						
erosion							
[] The road passes throu		[] Fast grow [} Riprap	ing shrub sp	ecies			
relatively benign terrain, will be minimal	cuts	[] Gabions					
[] The rehabilitation worl		[] Terracing [] Concrete		vall			
not involve additional roa	\ uocs						
		t-d Col	Sugard ==!!	inas			
		[V] Others G	ouard rail	iiigs			
		STATION	N LIMITS		тот		
		3741101		LOCATIO	AL LEN		
		EDON4	то.	N	GTH		
		FROM 0+	TO 0+	RIGHT	(m) 14.2		
		608.00 1+	622.28 1+	SIDE	8 20.8		
		033.10	053.98	LEFT SIDE	8		
		1 + 120.00	1+ 171.65	RIGHT SIDE	51.6 5		
		1+	1+	RIGHT	10.9		
		246.45 2 +	257.43 2+	SIDE RIGHT	8 43.9		
		266.27	310.25	SIDE	8		
		2 + 462.00	2 + 482.88	LEFT SIDE	20.8 8		
		2 +	2+		53.8		
		522.97 2 +	576.85 2 +	RIGHT	20.8		
		571.17 2 +	592.05 2 +	SIDE	8 27.4		
		827.50	854.98	LEFT SIDE	8		
		6 + 560.00	6 + 650.00	RIGHT SIDE	90.0 0		
		6+	6+		100.		
		560.00 6 +	660.00 7 +	BOTH	00 250.		
		920.00	170.00	SIDE	00		

7. Inadequate drainage resulting in flooding or ponding	[V] The road will block runoff, resulting in flooding on one side of the road during rainy days. [] Drainage issues unlikely	[V] Installation of cross drain between stations: RCPC 0+307.00 0+518.95 0+758.30 0+860.50 1+395.45 1+518.00 1+780.50 1+917.50 2+047.74 3+400.50 4+238.50 4+308.80 4+508.28 4+805.00 5+205.40 5+934.00 6+655.00 7+840.50 2+710.00	(BAR CHART/S-Curve)	DED/POW	Contracto
8. Potential increase use of pesticides due to intensification of cash crop production in the area	[V] There is an ongoing IPM program of DA in the service area [] Farmers in the service area have not been trained on IPM	[V] DA to continue to support IPM program [] LGU to Coordinate with DA on IPM training		Capacity Building Plan O&M Plan; Capacity Building Plan	DA PLGU/LGU /BLGU
9. Potential acceleration of denudation of the upland/hilly areas due to intensification of crop production	[V] The proposed road will connect to the market an upland/hilly area where farmers are currently practicing erosive farming techniques. The road could help accelerate the denudation of the upland/hillsides rendering them unproductive in a few years. [] The road connects only lowland farms to the market	[V] DA to coordinate with LGU for the introduction of sustainable upland farming systems in the area [] No measure required		O&M Plan; Capacity Building Plan	DA PLGU/LGU /BLGU
10. Potential increased in encroachments of human activities into the nearby public forest	[] The proposed road will improve human access to the nearby public forest, resulting in increased slash and burn cultivation, illegal logging and poaching. [V] The proposed road does not improve access to a public forest	[] Coordinate with DENR for the enactment of ordinance deputizing the local community to enforce forestry laws [V] No measure required			
11. Local employment	[V] Construction will provide local employment opportunities	[V] Hiring priority shall be given to qualified local residents; Implement RI Manual on local hiring [] No measures required	During the Implementation of the SP	Contract	Contracto r and BLGU
	provide any local employment opportunities	[] No measures required			

12. Conversion of	[] the proposed quarry site is	[x] Quarry materials will be	During the	Contractor
Land-use/natural	within a private land and need	procured to existing quarry sites	Implementation	
habitat due to	to convert existing land-use	(Brgy. Saug and Brgy. Magdum)	of the SP	
quarry	[x] Quarry site is existing and			
	proven as a good source of			
	quarry materials			
13. Potential	[x] source of quarry materials is	[x] regular maintenance and repair	During the	Contractor
damage to	20 km. (Item 201 and Item 200)	of existing road	Implementation	
existing road due	Transportation of quarry		of the SP	
to hauling of	materials from source to FMR			
quarry materials	will not cause damage to			
	existing FMR			
14. Low project	[/] community/project affected	[/] Establish /adapt the grievance	[/] During the	LGU
performance due	person is no aware of the PRDP	redress mechanism of the PRDP	implementation	Governmen
to unresolved	Grievance Redress Mechanism.		of the Sub	t Unit
community			projects.	
issues and	[] Community / Project	[/] conduct community		
grievance	affected person is already	consultations / training to publicize		
0	informed of the PRDP	the Grievance Redress Mechanism		
	Grievance Redress Mechanism.	of the PRDP		
15. chance find of	[/] mitigation plan should	[/] Adoption of the Chance Find	During the	Contractor/
archaeological,	include provisions for	Procedure.	implementatio	PLGU/ MLGU and
paleontological,	managing chance finds		n of the Sub	BLGU
historical, architectural.			Projects	
religious,				
aesthetic, or other				
cultural				
significance				
resources				

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