

ANNEX-3 : SCOPING MATRIX OF EIS (1998)

Scoping Report for Pasig-Marikina River Channel Improvement Project

**Table 1
SCOPING MATRIX
FOR IDENTIFYING POTENTIAL SIGNIFICANT ENVIRONMENTAL ISSUES (SEIs)**

ENVIRONMENTAL ATTRIBUTES		ACTIVITIES AND SOURCES OF IMPACTS												
		Construction Phase							Operation Phase					
		1	2	3	4	5	6	7	8	9	10	11		
	1) Meteorology													
	2) Air Quality and Noise	0		+/-					+/-					
PHYSICAL	3) River Hydraulics				+/-						+	+		+
RESOURCES	4) River Water Quality		-	+/-	+/-	0					+	+		+
	5) Lake Water Quality		+/-		+/-						+/-			
	6) Terrain/Soils/Groundwater				+/-		+/-							
	7) Oceanography													
ECOLOGICAL	8) Terrestrial Flora/Fauna	0		0										
RESOURCES	9) River Flora/Fauna		+/-											
	10) Land Use Patterns													
	11) Land Transportation													
	12) Water Supply													
HUMAN USE	13) Power Usage													
VALUES	14) Housing/Squatters				+/-	+/-								
	15) Industrial Pollution													
	16) Mineral Resources													
	17) River Fisheries		+/-											
	18) River Navigation		+/-		+/-				0					+/-
	19) Socioeconomics					0	0				+	+		+
QUALITY OF	20) Public Health/Safety		+/-	+/-		0	0	0			+	+		+
LIFE VALUES	21) Aesthetics/Recreation/Tourism		+/-	+/-		0			0			+		+
	22) Cultural/Historic/Archeological													

ACTIVITIES AND SOURCES OF IMPACTS
Construction Phase

- 1 Transport of Construction Materials
- 2 River Dredging
- 3 Dredge Spoil Disposal or Reuse
- 4 Construction of MCGS
- 5 Construction of River Bank Improvements
- 6 Presence of Construction Work Force
- 7 Operation of Heavy Equipment

Operation Phase

- 8 Maintenance of MCGS
- 9 Flood Control by MCGS
- 10 Presence of River Bank Improvements
- 11 Increased River Channel Capacity

EXPECTED MAGNITUDES OF POTENTIAL IMPACTS

- + Major Positive Impact
 - Major Negative Impact
 - +/- Minor Impact
 - 0 Negligible Impact
- Minor and negligible impacts could be either adverse or beneficial.

ANNEX-4: PUBLIC HEARINGS/CONSULTATIONS

DPWH coordinated information dissemination/consultation meetings in every Barangays with PAFs in April, July, and August in 2011 as shown in table below. City officials and Barangay Captains, as well as PAFs and any other persons concerned were invited to share the information about the project and its possible impacts and to discuss any concern of the attending parties.

No.	Date	Time	Target Group	Venue	No. of Participants*	No. of PAFs to be Relocated in Barangay / LGU
1	Tue. April 19, 2011	14:00 – 17:00	West Rembo, Makati	West Rembo Barangay Hall	Residents: 4 (3) Officials: 10	10
2	Thu. April 28, 2011	9:00 – 10:40	Barangay 900, Manila	Barangay 900 Barangay Hall	Residents: 32 (16) Officials: 10	26
3	Thu. April 28, 2011	11:00 – 12:30	Barangay 896, Manila	Barangay 896 Barangay Hall	Residents: 19 (8) Officials: 9	13
4	Thu. April 28, 2011	13:30 – 15:00	Barangay 897, Manila	Barangay 897 Barangay Hall	Residents: 5 (1) Officials: 15	7
5	Thu. April 28, 2011	15:30 - 17:00	Barangay 894, Manila	Barangay 894 Barangay Hall	Residents: 17 (11) Officials: 8	2
6	Fri. April 29, 2011	9:15 – 10:30	Ugong, Pasig	Ugong Basket Ball Court	Residents: 77 (44) Officials: 3	-
7	Fri. April 29, 2011	10:40 – 12:00	Caniogan, Pasig	Barangay Hall	Residents: 43 (19) Officials: 3	-
8	Fri. April 29, 2011	13:30 – 15:05	Maybunga, Pasig	Barangay Hall	Residents: 18 (7) Officials: 3	-
9	Sat. April 30, 2011	11:30 – 12:10	Bagong Ilog, Pasig	Barangay Hall	Residents: 54 (29) Officials: 2	-
10	Fri. July 8, 2011	14:50 – 16:15	Stakeholder	Consultant Office of Phase II	18	-
11	Mon. July 11, 2011	14:55 – 16:00	Stakeholder	Consultant Office of Phase II	11	-
12	Fri. July 15, 2011	14:35 - 16:35	PAFs in Manila	Barangay 894 Barangay Hall	Residents: 67(28) Officials: 8	48
13	Wed. July 20, 2011	10:00 – 11:45	PAFs in Makati	West Rembo Barangay Hall	Residents: 20 Officials: 8	10
14	Fri. Aug. 12, 2011	10:00 – 10:45	Owners of improvements and crops in Brgy. Maybunga, Pasig	Barangay Hall	Residents: 24(11) Officials: 2	-
15	Fri. Aug. 12, 2011	11:00 – 12:15	Owners of improvements and crops in Barangay Ugong, Pasig	Ugong Baseket Ball Court	Residents: 27(10) Officials: 2	-
16	Sat. Aug. 20, 2011	11:00 – 11:45	Owners of improvements and crops in Brgy. Bagong Ilog, Pasig	Barangay Hall	Residents: 12(9) Officials: 2	-
17	Sat. Aug. 20, 2011	8:00 – 10:30 14:00 – 15:30	Owners of improvements and crops in Brgy. Rosario, Pasig	Existing Promenade, Barangay Rosario	Residents: 42(14) Officials: 2	-

*: Number in () means number of female participants. Officials include Barangay office staff.

In the consultation meetings held as the above, contents of EIS(1998) and supplemental EIS conducted in 2010/2011 in accordance with JICA Guidelines have been explained in Tagalog, showing pictures and documents.

Most of discussion and concerns of attendants were matters for resettlement/compensation and on-going construction of Phase II. Almost no comments and discussion on environmental impacts of the project were presented. Then, there was no request for implementing additional environmental study. No objection about implementation of the Project Phase III was heard during the consultation meetings.

MINUTES OF THE FIRST PUBLIC CONSULTATIONS

Public Information Dissemination was conducted by DPWH PMO MFCP I. Their representatives were: Engr. Lydia Aguilar - Project Officer, Engr. Rodora Dayco, Engr. Willie Galang - ESSO-RAP Specialist, and Estrella B. Songco - PMRCIP Consultant together with the representatives from two (2) cities (Makati and Manila) and the respective Barangay Captains and their constituents. DPWH PMO MFCP I representatives discussed the Overview of the Project, Project Presentation/and the environmental Impact and the Resettlement update.

During the **OPEN FORUM** the following are the Question and Answer in every Barangays:

1.	Makati City
1.1	Barangay West Rembo (No.1)

Q1 -How many meters from the river bank are affected by the Project?

A1 -With regards to DPWH Project PMRCIP Phase III, it is 3 meters and PRRC Project is 10 meters

Q2-What is the implementation schedule of the Project specially the sheet pile driving to areas who were really destroyed? And what time start the work and what time ends?

A2-The construction works will start by November 2013, this year will start conducting series of public information dissemination for the PMRCIP III Project/social preparation to the affected ISF . And sheet pile driving is day time from 8:00 am to 5: pm only.

Q3-How about if the affected constituent is not an ISF?

A3-If it is a private property owner, DPWH-IROW Office will asked the owner to submit the legal documents like (title/tax declaration/subdivision plan etc.) needed to justify the proof of ownership for verification from RD as bases for the payments. The computations will vary on the zonal valuation of the area.

2.	Manila City
2.1	Barangay 900, Sta Ana Manila (No.2)

Q1-Romeo Tan asked the following: **a)** environment of the resettlement site at Montalban Rizal **b)** the relocates has no job in the relocation site (economic dislocation) and the problem with the facilities like (water and electricity) **c)** after the dredging of Pasig River by PRRC, still the river was the same with foul odor and un cleaned water?

A1-a) PRRC representative explained that the PRRC Resettlement Site has complete facilities (Roads/drainages/Water connection/Electricity and even with garbage collection by the LGU). b) There is a livelihood program, cooperative to conduct trainings for small scale industries, financial assistance as loan for the startup capital for any business. With regards to the relocation process, voluntary bases no force demolition was conducted. He gave some proverbs like “GOD HELPS THOSE WHO HELP THEMSELVES”.

Q2-How many meters will be affected?

A2-For DPWH Project the area affected is three (3) meters and for PRRC Project is ten (10) meters from the riverbanks.

Q3-Why PRRC will clear the area of ten (10 meters)?

A3-PRRC will continue the LINEAR PARKS PROJECT along Pasig River, and per Supreme Court decision thru the Mandamus rivers legal easement to be cleared is ten (10) meters, while Esteros (small rivers) legal easement to be cleared is three (3) meters.

Q4-How about the renters are they qualified for relocations?

A4-If we will follow the R.A.7279 cut off date March 28, 1992, many censused families will be disqualified. For ISF who were censused as renters they were categorized as 2nd priority for the relocation allocation. PRRC representative site an example, the Lambingan ISF were already relocated to NHA relocation Site by year 2000 and now there were returnees. Because of humanitarian consideration PRRC gave financial assistance of 24, 240.00 for each ISF.

Q5-What is the timetable of the clearing/demolition of the ISF?

A5- We are still in the process of documentation for Phase III.

2.2 Barangay 896, Punta Sta ana Manila (No. 3)

Q1-What kind of structure should be constructed along Pasig River?

A1-Sheet Pile driving was constructed to areas with destroyed revetment, in low lying areas parapet wall or raised wall will be constructed.

Q2-In our Barangay are there houses to be affected?

A2-Yes, if houses are within the three (3) meter easement after the riverbanks definitely it is affected.

2.3 Barangay 897, Punta Sta Ana Manila (No. 4)

Q1-How about the property with title affected by the Project?

A1- If it is a private property owner, DPWH-IROW Office will asked the owner to submit the legal

documents like (title/tax declaration/subdivision plan etc.) need to justify the proof of ownership for verification from RD as bases for the payments. The computations will vary on the zonal valuation of the area.

Q2-What if only portion of the house is affected?

A2-If the remaining portion is still habitable the only portion affected will be compensated.

Q3-Are there other areas of resettlement site aside from Montalban, Rizal and Calauan, Laguna?

A3-Yes, DPWH is working other possible areas for relocation and compensation package.

Q4-Can we ask not to be removed while no specific area to transfer?

A4-No demolition if no relocation or financial assistance to qualified ISF.

Q5-What will the Government do to the vacated areas within the ten (10) meters?

A5-PRRC said they will continue the construction of the Linear Parks Project.

2.4	Barangay 894, Punta Sta Ana Manila (No. 5)
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Q1-When will the Project start on the Implementation of the Project?

A1- The construction works will start by November 2013, this year will start conducting series of public information dissemination for the PMRCIP III Project/social preparation to the affected ISF .

3.	Pasig City
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3.1	Barangay Ugong (No.6)
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Q1-If incase this Project will be implemented, Is there relocation Site ready for the affected ISF?

A1-DPWH is now identifying areas for possible relocation site as the 1st option for relocation aside from the relocation site of LGUs identified in Montalban and Calauan Laguna and Compensation Package Options.

Q2-I want to know the exact area affected by the Project with the existing houses along Lower Marikina River?

A2-The measurement of DPWH Project is from the riverbank is three (3) meters from the riverbank to the landside.

Q3-How many ISF are affected by the Project?

A3-Final validation of the ISF will be conducted before the implementation of the Project.

Q4-The relocation site of the LGU in Montalban Rizal and Calauan Laguna are very far. Are there in city relocation?

A4-If there are possible areas much better. The relocation package has several options

3.2 Barangay Caniogan (No.7)

Q1-How about the improvement of the house, trees, dog house, are you going to compensate this?

A1-DPWH will identify the affected like structure, trees etc. will be compensated.

Q2-When will be the next meeting?

A2-This coming month will conduct the 2nd public information dissemination of the project.

Q3-How many meter is affected by the Project?

A3- The measurement of DPWH Project is from the riverbank is three (3) meters from the riverbank to the landside.

3.3 Barangay Maybunga (No.8)

Q1-If DPWH can survey the riverside specially areas near the Barangay Maybunga Hall, the actual riverbank is not the original riverbank. If you can see the bamboo tree across the river after that is the original riverbank. We are recommending to first survey the area.

A1-Will coordinate with the Barangay regarding the queries.

Q2-Are titled lots are considered to be ISF?

A2-Titled lot are considered to be private property, we called it "Formal Settlers". "ISF" are those families who owned the structure but did not owned the lot.

Q3-What is the timetable of the Project?

A3-- The construction works will start by November 2013, this year will start conducting series of public information dissemination for the PMRCIP III Project/social preparation to the affected ISF .

3.4 Barangay Bagong Ilog (No.9)

Q1-Do you have other relocation site aside from LGUs identified relocation site in Mantalban Rizal and Calauan Laguna? If you can identify in city relocation much better it is near our work in Makati.

A1- DPWH is now identifying areas for possible relocation site as the 1st option for relocation aside from the relocation site of LGUs identified in Montalban and Calauan Laguna and Compensation Package Options.

Q2-Are renters qualified for relocation?

A2-. For ISF who were censused as renters they were categorized as 2nd priority for the relocation allocation.

Q3-If we do not want the relocation site what other option you can offer?

A3-DPWH can offer compensation package option.

Q4-What is the timetable of the Project?

A4- The construction works will start by November 2013, this year will start conducting series of public information dissemination for the PMRCIP III Project/social preparation to the affected ISF .

Q5-How about if it is a titled lot are you going to pay the lot? In our case we are renting the lot but we owned the house.

A5-- If it is a private property owner, DPWH-IROW Office will asked the owner to submit the

legal documents like (title/tax declaration/subdivision plan etc.) need to justify the proof of ownership for verification from RD as bases for the payments. The computations will vary on the zonal valuation of the area. The structure owner if censused is qualified for relocation .

INFORMATION DISSEMINATION FOR PASIG-MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PHASE III)

APRIL 19, 2011
2:00PM, WEST REMBO MAKATI CITY

PROGRAM

2:00pm-2:15pm	Ms. Rodora Dayco	Recognition of the Participants
2:15pm-3:00pm	Engr. Lydia C. Aguilar	Overview of the Project/Project Presentation
3:00PM-3:30PM	Engr. Willy Galang	Environmental Impacts
3:30PM-4:00PM	Ms. Maribel M. Lumang	Resettlement Update
4:00PM-4:30PM	Engr. Willy Galang	OPEN FORUM
4:30PM-5:00PM	Kag. Jefferson Araga	Closing Remarks

ATTENDANCE

DPWH-PMO, ESSO, JICA Team, MSWD & Brgy West Rembo Official

Name	Office	Contact No.
Kag. Jefferson Araga	Brgy. West Rembo	
Ms. Beng R. Flores	Brgy. West Rembo	
Ms. Maribel M. Lumang	MSWD	
Ms. Lydia C. Aguilar	DPWH	
Ms. Dorie F. Dayco	DPWH	
Mr. Willy F. Galang	DPWH	
Kag. Anthony Baclay	Brgy. West Rembo	
Mr. Akio Shichijugari	JICA Study Team	
Ms. Estrella B. Songco	DPWH-PMRCIP	
Kag. Manuel Coltong	Brgy. West Rembo	

Attendants

Ms. Janel Calimlim
Ms. Ofelia Calimlim
Mr. Ronald Allan Amis
Ms. Innocencia Rendan



INFORMATION DISSEMINATION FOR PASIG-MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PHASE III)

APRIL 28, 2011

9:00AM, Barangay 900, Punta Sta Ana Manila

PROGRAM

9:00am-9:10am	Dr. Fernan S. Mercado, Barangay Captain-900	<i>Recognition of the Participants</i>
9:10am-9:40am	Engr. Lydia C. Aguilar	Overview of the Project/Project Presentation and Environmental Impacts
9:40am-10:00am	Orlando Botero, Head, Housing and Resettlement Office, PRRC	Resettlement Update
10:00am-10:30am	Orlando Botero, Head, Housing and Resettlement Office, PRRC	OPEN FORUM
10:30am-10:40am	Barangay Captain, Dr.Fernan S. Mercado	Closing Remarks

ATTENDANCE

Barangay Officials, DPWH-PMO, MFCPI, PRRC

Name	Office	Contact No.
Ch. Dr. Fernan S. Mercado	Brgy. 900	0917-7303-348
Mr. Sam Castillo	PRRC	
Mr. Steve Meis	PRRC	
Mr. Orlando L. Botero	PRRC	
Kag. Bebot P. Corpuz	Brgy. 900	0928-5053-628
Kag. Antonio B. Balance	Brgy. 900	0921-5922-101
Mr. Norman Gamboa	DPWH	
Kag. Ricardo Felipe	Brgy. 900	0918-3750-545
Ms. Lydia C. Aguilar	DPWH	304-38-15
Ms. Estrella B. Songco	DPWH-PMRCIP	

Attendants

Alexander Dizon	532-70-81
Perlita C. Barrios	
Myla Calumpiano	0919-2489-362

Marilyn Salvana	
Melvin B. Jarapa	
Lina P. Mendez	
Carmelita P. Dalor	
Ligaya Viray	
Roberto Amador	
Lena Cabiluna	
Leonila M. Gomez	
Ireneo Aguilar	
Engelbert Corpuz	
Rosebay G. Amador	
Jonathan L. Calumpiano	
Arsenio E. Dulos Sr.	
Trinidad Campos	
Rodrigo Cañezares	
By Arnais Agurrida	
Ma. Lourdes Ymata	
Hilda Ymata	
Teofilo C. Devaras	
Rebecca Habijais	
Julio Calumpiano	
Leo Arellano	
Roberto Ymata	
Merlita M. Jocuya	
Marlon H. Dalino	
Delia D. Galera	
Remigio O. Tan	
Lilibeth Almaden	
Danilo Defante	



INFORMATION DISSEMINATION FOR PASIG-MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PHASE III)

APRIL 28, 2011

11:00Am, Barangay 896, Punta Sta Ana Manila

PROGRAM

11:00am-11:15am	Barangay Captain, Benjamin Sumang-896	Recognition of the Participants
11:15am-11:45am	Engr. Lydia C. Aguilar	Overview of the Project/Project Presentation/ Environmental Impacts
11:45am-11:50am	PPRC, Mr. Orlando L. Botero	Resettlement Update
11:50am-12:20nn	Barangay Captain, Benjamin Sumang	OPEN FORUM
12:20nn-12:30nn	Barangay Captain, Benjamin Sumang	Closing Remarks

ATTENDANCE

Barangay Officials, DPWH-PMO, MFCPI, PRRC

Name	Office	Contact No.
Mr. Benjamin Sumang	Brgy. 896	
Ms. Lydia C. Aguilar	DPWH	
Mr. Norman N. Gamboa	DPWH	
Mr. Orlando L. Botero	PRRC	
Mr. Dennis Leonardo	Brgy. 896	
Ms. Luz S. Buenavente	Brgy. 896	
Kag. Rafael Nocum	Brgy. 896	
Mr. Sam Castillo	PRRC	
Ms. Estrella B. Songco	DPWH-PMRCIP	

Attendants

Eduardo M. Garcia	L. Zapanta	Rey Ocampo
Honorato L. Matic Jr.	Catapang Family	Ding Valentino
Liberato R. Benitez	Rowena R. Mariano	Regino Ladia
Azusiena Asturiano	Cecilia M. Nocum	Raymundo Gamboa
Dominador Ocampo	Abner Villagrancia	Cynthia Ilagan
Lualhati Garcia	Julieth Alvaro	Carlota O. Esguerra
		Remedies De Leon



INFORMATION DISSEMINATION FOR PASIG-MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PHASE III)

APRIL 28, 2011

1:30PM, Barangay 897, Punta Sta Ana Manila

PROGRAM

1:30pm-1:40apm	Barangay Captain, Danilo P. Galang-897	Recognition of the Participants
1:40pm-2:10pm	Engr. Lydia C. Aguilar	Overview of the Project/Project Presentation/ Environmental Impacts
2:10pm-2:35pm	PPRC, Mr. Orlando L. Botero	Resettlement Update
2:35pm-2:50pm	Barangay Captain, Danilo P. Galang	OPEN FORUM
2:50pm-3:00pm	Barangay Captain, Danilo P. Galang	Closing Remarks

ATTENDANCE

Barangay Officials, DPWH-PMO, MFCP I, PRRC

Name	Office	Contact No.
Ms. Celerina A. Galang	Brgy. 897	
Ms. Joana L. Guiam	Brgy. 897	
Ms. Guisila M. Edwards	Brgy. 897	
Mr. Fred Canter	Brgy. 897	
Ms. Josephine A. Galang	Brgy. 897	
Ms. Emily S. Rigat	Brgy. 897	
Ms. Marites A. Protacio	Brgy. 897	
Ms. Senen M. Estuista	Brgy. 897	
Ms. Laura R. Concepcion	Brgy. 897	
Ms. Lydia C. Aguilar	DPWH	
Mr. Danilo P. Galang	Brgy. 897	
Ms. Estrella B. Songco	DPWH-PMRCIP	
Mr. Orlando L. Botero	PRRC	
Mr. Sam Castillo	PRRC	
Mr. Steve Neis	PRRC	

Attendants

Ronian M. Regis	
Jackie Hans Mario Visto	
Ruben C. Dineres	
Abner Villagracia	
Nora P. Walo	



INFORMATION DISSEMINATION FOR PASIG-MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PHASE III)

APRIL 28, 2011

3:30PM, Barangay 894, Punta Sta Ana Manila

PROGRAM

3:30am-3:45pm	Barangay Captain, Eduardo Natividad-894	<i>Recognition of the Participants</i>
3:45pm-4:10pm	Engr. Lydia C. Aguilar	Overview of the Project/Project Presentation/ Environmental Impacts
4:10PM-4:30PM	PPRC, Mr. Orlando L. Botero	Resettlement Update
4:30PM-4:50PM	Barangay Captain, Eduardo Natividad	OPEN FORUM
4:50PM-5:00PM	Barangay Captain, Eduardo Natividad	Closing Remarks

ATTENDANCE

Barangay Officials, DPWH-PMO, MFPC I, PRRC

Name	Office	Contact No.
Mr. Orlando L. Botero	PRRC	
Ms. Lydia C. Aguilar	DPWH	
Mr. Sam Castillo	PRRC	
Mr. Steve Neis	PRRC	
Ch. Eduardo Natividad	Brgy. 894	
Mr. Renato Raz	Brgy. 894	
Mr. Rolando Sta. Lucia	Brgy. 894	
Ms. Estrella B. Songco	DPWH-PMRCIP	

Attendants

Kristine O. Cator	Rolando Sta. Lucia
Romeo Ravalo	Renato Raz
Josefina M. Mina	Myra Olais
Lita A. Raz	Fernando Celones
Eliseo Avila	Myra Celones
Cristelin Joy Reyes	Pacita Galdo
Remedios Rueda	Ana Liza Doronila
Helen Salazar	Ma. Luisa Ryn
	Alberto P. Seranno



INFORMATION DISSEMINATION FOR PASIG-MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PHASE III)

APRIL 29, 2011

9:15AM, Barangay UGONG, Pasig City

PROGRAM

9:15am-9:30am	Rolando F. Santos Barangay Admin Officer	Recognition of the Participants
9:30am-9:45am	Estrella B. Songco	Overview of the Project/ Project Presentation/ and Environmental Impact/ Resettlement Update
9:45am-10:20am	Estrella B. Songco DPWH- PMO- PMRCIP- Consultant	OPEN FORUM
10:20am-10:30am	Barangay Captain Jesus Santos	Closing Remarks

ATTENDANCE

Barangay Officials, DPWH-PMO, MFCP I

Name	Office	Contact No.
Admin. Rolando F. Santos	Brgy. Ugong	
Ch. Jessie Santiago	Brgy. Ugong	
Ms. Estrella B. Songco	DPWH-PMO-MFCP I	

Attendants

	Name	Contacts		Name	Contacts
1	Rosemarie L. Arcilla		41	Lezel Galsim	
2	Rowena C. Madera		42	Hernandina Caseres	
3	Joy Manzo		43	Marlon G. Baysa	
4	Michelle Manzo		44	Glen Acozar	
5	Joselito Amor		45	Felix Vega	
6	Jeffrey Amor		46	Luz T. Nerza	
7	Janice Dula		47	Ferlu L. Jordan	
8	Felisa P. Rafer		48	Belinda Tejano	
9	Flordeliza Tuazon		49	Ma. Milanie Pariña	
10	Melina Fajardo		50	Gemmalyn Pariña	
11	Amelita Arcilla		51	Edmon Pariña	
12	Tagumpay S. San Jose Sr.		52	Luzminda Pariña	
13	Eric B. Santos		53	Nancy J. Inocencia	
14	Yolanda C. Sayuo		54	Edna P. Rubio	
15	Armie B. Asilo		55	Emelia N. Alcazar	
16	Lourdes V. Royal		56	Von Ryan Trios	
17	Merlyn Diano		57	Danilo Quilnet	
18	Franchesca Diano		58	Roman Ramos	
19	Armando Areilla		59	Jessie Loping	

20	Minerva Zabala		60	Annabelle Namias	
21	Heidi Levantino		61	Lucille M. Tilan	
22	Edith Bacani		62	Mark Anthony Superar	
23	Maricar Miasco		63	Julius R. Namias	
24	Miguela B. Brozula		64	Rufina T. Sta. Ana	
25	Sherly A. Pinca		65	Niño W. Cawelan	
26	Marivic Mier		66	Joselito Villas	
27	Aloja N. Levantino		67	Celia Superar	
28	Dennis O. Jose		68	Marlon Benavidel	
29	Vicente S. Jose		69	Fabiano C. Andam	
30	Crispin Inocencio		70	Severina Andam	
31	Christopher Inocencio		71	Mary ann Sevillano	
32	Rodolfo Olivares Jr.		72	Glicerio Rubi	
33	Augusto Purgatorio		73	Romeo Sta. Ana	
34	Lev Y. Javillana		74	Enrique S. Cawelan	
35	Rosemarie F. Galsim		75	Armin Diano	
36	Reynaldo C. Madera		76	Baltazar Diano	
37	Rolando M. Dizon		77	Mary Ann Carzal	
38	Cecilia D. Cayabyab				
39	Flora V. Canables				
40	Christian Caseres				



INFORMATION DISSEMINATION FOR PASIG-MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PHASE III)

APRIL 29, 2011

10:40Am, Barangay CANIOGAN, Pasig City

PROGRAM

10:40am-10:50am	Ms Corazon F. Salazar Barangay Staff	Recognition of the Participants
10:50am-11:20am	Estrella B. Songco	Overview of the Project/ Project Presentation/ and Environmental Impact/ Resettlement Update
11:20am-11:40am	Ms Corazon F. Salazar Barangay Staff	OPEN FORUM
11:40am-12:00am	Ms Corazon F. Salazar	Closing Remarks

ATTENDANCE

DPWH-PMO, MFCP I, Brgy. Captain

Name	Office	Contact No.
Kap. Bernard C. Perez	Brgy. Caniogan	
Staff Corazon F. Salazar	Brgy. Caniogan	
Ms. Estrella B. Songco	DPWH-PMRCIP	

Attendants

	Name	Contact		Name	Contact
1	Atty. Agnes A. Daquis		23	Susana Capule	
2	Gina D. Autencio		24	Ciderella Recaser	
3	Dexter Santos		25	Michael Guinto	
4	Ananias P. Paz		26	Armando Guinto	
5	Ernesto C. Espanola		27	Genalyn M. Muhi	
6	Esmeraldo Flores		28	Lilibeth A. Arive	
7	Ruel De Guzman		29	Alejandro Abratique	
8	Victor Reyes		30	Lydia M. Sanchez	
9	Rolando C. Ruiz		31	Marvin Guinto	
10	Ricardo Dacer		32	Duvall Miguel	
11	Nilo Geraldo		33	Genaro Abratique	
12	Antonio Yuzon		34	Adoracion Concepcion	
13	Rodolfo Pimentel		35	Glady Ajero	
14	Menaro Gonzales		36	Flordeliza Garcia	
15	Crisendo M. Inocencio		37	Jimmy C. Miguel	
16	Maria S. Mebalo		38	Asuncion S. Olasiman	

17	Elvira S. Mebalo		39	Julita C. Santos	
18	Maria D. Macalinao		40	Antonio C. Nudo	
19	Marvin Gonzales		41	Virgilio C. Nudo	
20	Puring Lozano		42	Verina A. Patag	
21	Antonio Patag		43	Rowena S. Constantino	
22	Gaudioso C. Nudoso				



INFORMATION DISSEMINATION FOR PASIG-MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PHASE III)

APRIL 29, 2011

1:30PM, Barangay MAYBUNGA, Pasig City

PROGRAM

1:30pm-1:40pm	Ms. Fe Delatano Barangay Secretary	Recognition of the Participants
1:40pm-2:20am	Estrella B. Songco	Overview of the Project/Project Presentation/and Environmental Impact/Resettlement Update
2:20pm-2:45pm	Ms. Fe Delatano Barangay Secretary	OPEN FORUM
2:45pm-3:005pm	Ms. Fe Delatano Barangay Secretary	Closing Remarks

ATTENDANCE

Barangay Captain, DPWH-PMO, MFCP

Name	Office	Contact No.
Chairman Mario C. Concepcion Jr.	Brgy. Maybunga	
Ms. Fe Delatano	Brgy. Maybunga	
Ms. Estrella B. Songco	DPWH-PMRCIP-MFCP	

Attendants

Name	Contact
Luisa A. Bautista	
Felipe Concepcion	
Nick Baccay Jr.	
Marycris Catabay	
Ma. Corazon V. Paghubasan	
Lilia Castor	
Reynaldo Buenviaje	
Ariel Alonzo	
Arnel Y. De Luna	
Philip A Unsay	
Elizabeth Santos	

Rufo T. Yacanle	
Teodoro T. Yacanle	
Angelita M. Piornato	
Geraldo Lavarial	
Danilo H. Agbayani	
Ann Gonzalo	
Val S. Prolles	



INFORMATION DISSEMINATION FOR PASIG-MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PHASE III)

APRIL 30, 2011

11:30AM, Barangay BAGONG ILOG, Pasig City

PROGRAM

11:30am-11:15am	Barangay Captain, Ferdinand A. Avis	Recognition of the Participants
11:15am-11:45am	Estrella B. Songco	Overview of the Project/ Project Presentation/ and Environmental Impact/ Resettlement Update
11:45am-12:00nn	Estrella B. Songco DPWH-PMO-PMRCIP-Consultant	OPEN FORUM
12:00nn-12:10pm	Estrella B. Songco	Closing Remarks

ATTENDANCE

Barangay Captain, DPWH-PMO, MFCPI

Name	Office	Contact No.
Ferdinand A. Avis	Brgy. Bagong Ilog	
Ms. Estrella B. Songco	DPWH-PMO-MFCPI	

Attendants

	Name	Contact		Name	Contact
1	Eduardo F. Villegas		28	Nenita E. Rebadulla	
2	Marlyn Navaro Riva		29	Lony L. Alayon	
3	Rolando C. Virgo		30	Vivencia S. Angulo	
4	Vicente Aberos		31	Vilma T. Mosqueda	
5	Janet S. Dejan		32	Frederic Azucena	
6	Josephine Calinao		33	Arnel Z. Nervao	
7	Felino Lazatin		34	Ravina V. Pelosa	
8	Fellyn Christia Lazatin		35	Gloria Madridejos	
9	Nilo Cate Sr.		36	Eden Escaño	
10	Agustin Lesonana		37	Romeo Mark Balatero	
11	Albert L Ordas		38	Pricilla B. Bautista	
12	Rafael C. Ordas		39	Melinda L. Cruz	
13	Ma. Theresa B. Malali		40	Harry Guk-ong	
14	Crisosotomo Legaspi		41	Brian C. Fullon	

15	Elena Legaspi		42	Irma C. Fullon	
16	Emilia Caballero		43	Jomar C. Fullon	
17	Christian Caballero		44	Maria Corazon Cruz	
18	Danilo Caballero		45	Giovanni Martinez	
19	Violeta Tabios		46	Josie L. Cruz	
20	Joselito Tabios		47	Ruth G. Caballero	
21	Olivia E. Faustino		48	Marisel V. Cruz	
22	Irma Martinez		49	Jovit T. Mosqueda	
23	Marlon Perez		50	Eliseo S. Angulo	
24	Jay Cordero		51	Luzviminda Sta. Rita	
25	Ronie Salazar		52	Erlinda N. Delos Reyes	
26	Ely Bankal		53	Marilyn Adriatico	
27	Christina N. Vera		54	Annalyn Nuñez	



1st PUBLIC INFORMATION/CONSULTATIONS FOR THE SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT (EIS) FOR VARIOUS STAKEHOLDERS REGARDING THE IMPLEMENTATION OF THE PROPOSED PASIG-MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PMRCIP), PHASE III

Date : July 8, 2011, Friday
 Venue : CTI Engineering International Co., Ltd. Office, Ermita, Manila
 Time : 2:50 pm - 4:15 pm

ATTENDEES:

Name	Name of Company
Lydia C. Aguilar	DPWH-PMO-MFCP I
Rhodora F. Dayco	DPWH-PMO-MFCP I
Estrella B. Songco	Community Organizer, CTII/WCI
Marilynn Musa	Environmental Staff, CTII/WCI
Mark M. Bonaobra	Madrigal Group of Company
Tony Tenedero	Universal Robina Corporation (URC) - AIG
Ernesto Sararaña	PMFTC/ZEBRA Holdings, Inc.
Mervin Roque	Pandacan Depot Services, Inc. (PDSI)
Arman Nieves	SIMON Enterprises, Inc. (SEI)
Donato Napo	Liberty Flour Mills (LFM)
Manny de Jesus	Ebony Petroleum Corporation
Jean Banaay	Eurovillas Townhomes Homeowners Association (EUTHA)
Nestor Abat	Wellington Flour Mills
Melchor H. Rodriguez, Jr.	Wellington Flour Mills
Rene Catague	PHIMCO Industries
Solomon Chan	Samsons Investment Inc., Corp.
Engr. Ma Evy D. Ricarte	Bank of Commerce
Manuel Balce	Petron Corp.

MINUTES OF DISCUSSION:

1. Recognition of the participants was initially made by Ms. Estrella B. Songco.
2. Presentation of the project's overview followed thereafter, which was discussed by Engr. Lydia C. Aguilar, as summarized below:
 - The whole PMRCIP is divided into four (4) Phases, namely, Phase I which covered the detailed engineering design stage of the project and was completed in 2002, Phases II, III and IV involved the construction/civil works stages for river improvement works along the Pasig, Lower Marikina and Upper Marikina Rivers, respectively.
 - Implementation of the Phase II project involved river channel improvement works on the identified priority critical sections along the Pasig River which is currently ongoing and scheduled to be completed in June 2012.
 - Presently, a preparatory study is being undertaken by the DPWH through a technical assistance from the Japan International Cooperation Agency (JICA) in support to the formulation of an ODA Loan for the proposed Phase III project.
 - The main scope of the proposed Phase III project will consist among others, improvement of four (4) locations of river banks along the Lower Marikina River such as, construction of dikes/river wall; approximately 5.4 km stretch of dredging works; and provision of riverbank boundaries. Also included is the improvement of identified critical sections along the Pasig River area which were not covered under the on-going Phase II project.
 - The main objective of the project is to mitigate flood damages in Metro Manila caused by channel overflow of the Pasig-Marikina River and to enhance the favourable environment along the riverine areas.
3. Environmental Impact Statement (EIS) for the Phase II Project, including the Supplemental EIS for the Phase III Project were both presented by Ms. Marilynn Musa and the following important information were highlighted:
 - The issued Environmental Compliance Certificate (ECC) for the whole PMRCIP is still valid, confirmations were made by the DENR-EMB-NCR during the pre-construction stage of the Phase II project, its conditionality were then presented to the stakeholders.
 - Assessment of the project impacts in compliance to JICA's new requirements were also discussed and stressed that no significant impacts were identified except for the social issues particularly the resettlement of Project Affected Families (PAFs).
 - Thus, aside from the environmental parameters, resettlement of PAFs should also be monitored and be undertaken accordingly prior to the implementation of the Phase III project.
4. An open forum immediately followed after the presentation and hereunder are the questions raised vis-à-vis the answers made, including other issues and concerns that were discussed, to wit:
 - Mr. Mervin Roque, representative from the Pandacan Depot Services, Inc. asked whether the Project is initiated by the Government of the Philippines.

Engr. Lydia C. Aguilar explained that the project is included in the DPWH Medium-Term Public Investment Program (MTPIP) for 2011-2016 in line with the Medium Term Philippine Development Plan (MTPDP).
 - Mr. Arman Nieves, representative from Simon Enterprises, Inc. (SEI), suggested to include the Lighterage Association of the Philippines (LAP) during public hearings/consultations since their operations is mostly at the Pasig River. He also added that their company (SEI) is also willing to cooperate with the DPWH especially if the

issues regarding their private port/barge operations along the Pasig River with respect to the revetment/riprap works under the Phase II project is properly addressed and solved. *Engr. Aguilar mentioned that there have been numerous exchange of letters/correspondences between the DPWH and the concerned stakeholders that included Simon Enterprises and the Lighterage Association of the Philippines concerning the issues on their barge operations along the Pasig River which might be affected by the construction of structures particularly revetments/ripraps under the on-going Phase II project. She mentioned that the DPWH's position regarding the revetment/riprap works are in accordance to and consistent with the approved plans & specifications of the project.*

- Mr. Nieves also mentioned that the Lighterage Association of the Philippines seemed to have not been properly informed of the public hearings especially regarding safety concerns on the Pasig River.

Ms. Estrella B. Songco clarified that representative from Lighterage of the Philippines was invited and have attended/participated in the public hearings/consultations conducted before the implementation of the Phase II project, and that they are well informed about the project.

- Mr. Roque informed that in case of their company where there are about ten (10) piers situated along the Pasig River, he asked how these piers will be affected by the project and what will be the plan for said piers in case they might be affected. He also mentioned that the piers in the depot are being reinforced by the depot service provider.

Engr. Aguilar mentioned that from the start of the Phase II project, DPWH has been coordinating with the concerned stakeholders including the Pandacan Depot. With regards to the plan, for instance, the improvements along the Petron Corporation area have been deferred due to complexities of the area due to the presence of oil pipelines. She mentioned that the proposed Phase III is still in its preparatory stage; hence, its designs/plans are still subject for finalization.

- Mr. Roque asked whether dredging works along Pasig River is included in the proposed Phase III project and whether there will be continuous dredging works even after the completion of the project.

Engr. Aguilar explained that dredging works along Pasig River was undertaken by the Pasig River Rehabilitation Commission (PRRC) and per information from the PRRC; maintenance dredging activities were also included in accordance with their plans/programs. She added that the DPWH and PRRC have maintained a close communication/coordination with each other.

- Engr. Aguilar has requested the support of the stakeholders especially in preventing the influx of Informal Settlers within the areas adjacent to their properties.
- Ms. Songco cited that in the implementation of the Phase II project, there was an instance where the areas covered by the revetment works have already been cleared and the affected Informal Settlers already relocated, however, during the course of undertaking the drainage improvement works, Informal Settlers were *assumed* to have occupied a portion of the properties of the Bank of Commerce and Madrigal Company.
- Engr. Ma. Evy D. Ricarte, representative from the Bank of Commerce, clarified that the Bank have not consented, in any way, the occupation by informal settlers of the area within their property as it was already foreclosed. She added that said concern will be coursed through their legal department.

- Mr. Mark M. Bonaobra, representative from the Madrigal Group of Company, also informed that the issues regarding informal settlers occupying a portion of their property are already for final decision by their Board of Directors.
- Engr. Aguilar made mention that there is a continuing mandamus/directive from the Supreme Court of the Philippines ordering several government agencies to clean up and rehabilitate Manila Bay. The presence of Informal Settlers along major and minor waterways that includes Pasig River, contributes to the pollution of the waters that eventually discharges into the Manila Bay. She said that under the said mandamus, all concerned government agencies, including the Local Government Units (LGUs) were ordered, among others, to dismantle and remove illegal structures in major and minor waterways at the earliest possible time.
- Engr. Aguilar also informed that preparatory activities for the proposed Phase III project such as, public information/consultation meetings, census and surveys, are currently being undertaken. However, the 2nd public information/consultation scheduled for Pasig City has been put on hold so as not to be in conflict with its on-going clearing programs/activities, including the removal of Informal Settler Families, in response to the afore-mentioned Mandamus from the Supreme Court.
- Engr. Ricarte asked whether the three (3) meter easement for the project will not affect privately-owned lots. She also asked if surveys have already been conducted in the area along the Bank of Commerce and if boundary markings have been provided.

Engr. Aguilar explained that prior to implementation of any improvements on the project area; survey works/activities and coordination meetings with the property owners are continuously being undertaken. She said boundary markers were also provided for the areas that will be affected.

Ms. Songco added that during the conduct of survey works/activities for the drainage improvement on the said area, it was presumed that Informal Settlers were occupying a portion of the drainage area, which will be subjected for validation.

Engr. Ricarte assured that the above concerns will be further investigated and monitored by the Bank.

It was agreed that a joint inspection among concerned offices will be undertaken to verify the actual situation of the said area and to determine the boundary/limits required by the project.

- Mr. Solomon Chan, representative from the Samsons Investment Inc., Corp., expressed his concerns in connection with the drainage improvement works in their area since coordination meetings have been conducted before but were not yet concluded, hence, he would like to be updated regarding the status of the same and would like to know the contact persons of the project.

Engr. Aguilar mentioned that the Phase II project's field office is strategically located along the Pasig River near Lambingan Bridge in Sta. Ana, Manila. She further explained that any concerns regarding project's implementation can be conveyed through the DPWH-PMO-MFCP I representative, stationed at the field office, headed by Project Manager Sofia T. Santiago.

Engr. Aguilar also informed the participants that they can communicate their additional queries/concerns relative to the project either at the DPWH-Project Management Office-Major Flood Control Projects I, located at NCR Compound, 2nd St. Port Area Manila with Te. No. 304-3813/304-3815 or at the Pasig-Marikina River Channel Improvement Project (PMRCIP), Phase II, Field Office, located at No. 2785 Old Panaderos St., Sta. Ana, Manila with Tel. No. 353-6277, addressed to Project Director Patrick B. Gatan and Project

Manager Sofia T. Santiago, respectively.

- Mr. Melchor H. Rodriguez, Jr., representative from the Wellington Flour Mills, asked whether the area adjacent to their property will be included in the proposed channel improvement works under the next phase of the Project and further inquired when it will be implemented.

Engr. Aguilar answered that improvement works along the Pasig River within the vicinity of their property might be covered under the proposed Phase III project; however, the proposed stretch of river channel improvement works as presented including the project's total cost will have to be submitted for final review/evaluation and approval by the National Economic Development Authority (NEDA), among others.

- Mr. Rene Catague, representative from the PHIMCO Industries, asked whether the resurveyed sections of damaged ripraps along their area which was undertaken by the DPWH Representative in connection with the on-going Phase II project are still covered by the on-going project, since, there are on-going sheet piling works in some sections, or whether these are included in the proposed improvement works. He also requested copies of the design plans/drawings for them to easily determine/identify the area affected by the project. He also shared that during the Pasig River Rehabilitation Commission (PRRC) survey activities, the necessary area acquired for easement was from three (3) to ten (10) meters.
- *Engr. Aguilar clarified that said repair of damaged ripraps are still covered by the Phase II project, since, sheet piling works are already being undertaken. She also explained that 10 meters easement is being acquired for PRRC's projects, while for the implementation of the Phase III project; the necessary easement is only up to three (3) meters from the river bank. She mentioned that the methodology of construction for the proposed project is entirely river-based wherein the driving of steel sheet piles is being conducted in the riverside. She added that the design drawings/plans can be officially requested through the PMRCIP (Phase II) Field Office.*
- Ms. Jean Banaay, representative from the Eurovillas Townhomes Homeowners Association, informed about the concern from the unit owners on the walkway constructed along the Eurovillas area wherein flooding occurs during rainy days and affects the houses in the area. She further mentioned that cracks were also observed by the DPWH Engineers during their previous inspections conducted in the site. Hence, she inquired if necessary drainage will be provided.
- *Engr. Aguilar explained that said observed cracks will be re-examined by the Field Engineers of the PMRCIP (Phase II). She clarified that drainage connections may be provided if there is an existing drainage in the area. She also emphasized that as mentioned earlier, the main objective of the project is to protect the inland areas from bank overflow, hence, participation/cooperation of the private individuals or groups to monitor their respective areas for their own benefits/protections are very much essential which will also help in the sustainability of the project.*
- Mr. Tony Tenedero, representative from the Universal Robina Corp.-AIG, mentioned that they do annual dredging works along their area and asked whether the dredging works under the proposed Phase III project will also have a maintenance dredging after completion of the project.
- *Engr. Aguilar mentioned that the Operation and Maintenance of the flood control project after its completion will be undertaken by the Metro Manila Development Authority (MMDA). She also emphasized that there will be a Memorandum of Agreement (MOA) to be entered by and among concerned agencies for the implementation and sustainability of the project.*

- Engr. Ricarte asked the coverage area of the proposed project along the Lower Marikina River.
- *Engr. Aguilar answered that approximately 5.4 km stretch of dredging works starting from the confluence point at the Napindan Hydraulic Control Structure (NHCS) all throughout the Lower Marikina River and construction of dikes/revetments in four identified critical sections will be undertaken which will end before the Circulo Verde Property in Quezon City.*
- Engr. Ricarte also asked if flood control will be improved with the implementation of the said proposed project.
- *Engr. Aguilar explained that the project is designed for a 30-year return flood period. With regards to heavy floods such as floods generated like Tropical Storm "Ondoy", necessary measures should be done in the upstream portion of the Pasig-Marikina River System. She also informed that a World Bank Master Plan Study for Flood Risk Management in Metro Manila and Surrounding Areas is currently being undertaken in parallel to this preparatory study to propose different alternatives in addressing comprehensive solutions on the said flooding problems.*
- With no more questions/concerns raised, the discussion was adjourned at 4:15 pm. Engr. Aguilar expressed her appreciation on the participation of the stakeholders in the said gathering and informed that the 2nd Public Information/Consultation for the EIS of the proposed Phase III project will be held on 11 July 2011 and everybody are welcome to attend again said activity.

2nd PUBLIC INFORMATION/CONSULTATIONS FOR THE SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT (EIS) FOR VARIOUS STAKEHOLDERS REGARDING THE IMPLEMENTATION OF THE PROPOSED PASIG-MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PMRCIP), PHASE III

Date : July 11, 2011, Monday
 Venue : CTI Engineering International Co., Ltd. Office, Ermita, Manila
 Time : 2:55 pm - 4:00 pm

ATTENDEES:

Name	Name of Company
Lydia C. Aguilar	DPWH-PMO-MFCP I
Norman N. Gamboa	DPWH-PMO-MFCP I
Estrella B. Songco	Community Organizer, CTII/WCI
Ma. Lourdes Canon	Environmental Staff, CTII/WCI
Marilynn Musa	Environmental Staff, CTII/WCI
Krisel Duremdes	The Grove by Rockwell
Jules Ronquillo	The Grove by Rockwell
Arnold Señorin	ALCHEMCO Philippines, Inc.
Pax Alvarez	Century Property Management, Inc.
Dennis Laydia	RFM Flour Division
Robert Pangyarihan	Universal Robina Corp.

MINUTES OF DISCUSSION:

5. Recognition of the participants was initially made by Ms. Estrella B. Songco.
6. Presentation of the project's overview followed thereafter, which was discussed by Engr. Lydia C. Aguilar, as summarized below:
 - The whole PMRCIP is divided into four (4) Phases, namely, Phase I which covered the detailed engineering design stage of the project and was completed in 2002, Phases II, III and IV involved the construction/civil works stages for river improvement works along the Pasig, Lower Marikina and Upper Marikina Rivers, respectively.
 - Implementation of the Phase II project involved river channel improvement works on the identified priority critical sections along the Pasig River which is currently ongoing and scheduled to be completed in June 2012.
 - Presently, a preparatory study is being undertaken by the DPWH through a technical assistance from the Japan International Cooperation Agency (JICA) in support to the formulation of an ODA Loan for the proposed Phase III project.
 - The main scope of the proposed Phase III project will consist among others, improvement of four (4) locations of river banks along the Lower Marikina River such as, construction of dikes/river wall; approximately 5.4 km stretch of dredging works; and provision of riverbank boundaries. Also included is the improvement of identified critical sections along the Pasig River area which were not covered under the on-going Phase II project.
 - The main objective of the project is to mitigate flood damages in Metro Manila caused by channel overflow of the Pasig-Marikina River and to enhance the favourable environment along the riverine areas.
7. Ms. Ma. Lourdes Canon presented the environmental monitoring activities, the overview and objectives of the Environmental Impact Statement (EIS), and the requirements of the Environmental Compliance Certificate (ECC) of the project. She also stressed that the issued ECC for the whole PMRCIP project is still valid.
8. Ms. Marilyn Musa then presented the Supplemental Environmental Impact Statement and requirements for the Phase III project pursuant to JICA New Guidelines, which includes among others, the following:
 - Assessment of the project impacts in compliance to JICA's requirements were discussed and stressed that no significant impacts were identified except for the social issues particularly the resettlement of Project Affected Families (PAFs).
 - Environmental parameters and resettlement of PAFs should be monitored and be undertaken accordingly prior to the implementation of the Phase III project.
9. An open forum immediately followed after the presentation and hereunder are the questions raised vis-à-vis the answers made, including other issues and concerns that were discussed, to wit:
 - Mr. Robert Pangyarihan, representative from the Universal Robina Corp., asked whether the additional portions along Pasig River have been identified under the proposed Phase III project considering that approximately 10 km length of sections along the said river has remained.

Engr. Aguilar explained that the locations of the proposed river bank improvements were identified based on the present preliminary study as reflected in the location plan presented earlier. However, she stressed that said improvement works including the respective locations are subject for final review/evaluation and approval by the concerned agencies especially the National Economic Development Authority (NEDA) with respect to the necessity of the project as well as its corresponding cost. She also mentioned that the target schedule for implementation of the proposed project is in

2013.

- Mr. Pangyarihan expressed his opinion regarding the plans of some private companies that initiated improvements within their areas along the Pasig River, if those actions have been included in the identified locations of the proposed project, considering that their company (URC) is also planning to construct their own bank improvements/protections.

Engr. Aguilar emphasized that proper coordination with the DPWH-PMO-Major Flood Control Projects I should be made by the stakeholders with regards to their improvement plans prior to any construction works, to avoid any conflicts with respect to the design of the project against their plans. She also stressed that said activity is a welcome move for the government and well appreciated.

- Mr. Pangyarihan also asked on the necessary permits/clearances need to be secured by them in case there will be improvement plans.

Engr. Aguilar reiterated that proper coordination of said private companies with the DPWH-PMO-MFCP I relative to their improvement plans along the project coverage area is very essential to conform to the project designs and/or requirements.

- Mr. Pax Alvarez, representative from the Century Property Management, Inc. (CPMI) commented on the following:
 - He noticed that their area is not included in the proposed bank improvements under the proposed Phase III project particularly on the Lower Marikina River.
 - He asked whether technical data for the riverbank boundary as well as the corresponding boundary lines are available.

Engr. Aguilar explained that the CPMI might be located on a higher elevation, hence, will not be considered as a critical area. She mentioned that the project scope of works will include dredging the entire stretch of Lower Marikina River and provision of river bank boundary composed of bank embankments which will utilize the dredged materials that will be generated. However, said proposed scopes are still subject for review/evaluation and approval by NEDA; thus, may be subject for revisions later on. She also informed that their office have previously conducted a parcellary survey of the Marikina River.

- Mr. Alvarez requested to secure any available technical data that can be used/adopted as their reference and guidance for their improvement plans within their area.

Engr. Aguilar advised that they may coordinate with their office to check if there are available technical data/details on the improvement plans on their areas, similar to what were undertaken by other private lot owners in the on-going Phase II project. Contact details were then shown for the information of the stakeholders present.

- With no more questions/concerns raised, the discussion was adjourned at 4:00 pm. Engr. Aguilar expressed her appreciation on the participation of the stakeholders in the said gathering.

INFORMATION DISSEMINATION FOR PASIG-MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PHASE III)

JULY 15, 2011

2:35PM, Barangay 894, Punta Sta Ana Manila

PROGRAM

14:35pm-14:40am	Brgy. Captain Natividad.	Opening remarks
14:40pm-14:45am	Ms. Estrella Songco, consultant to DPWH	Recognition of the Participants
14:45pm-15:15pm	Engr. LYDIA C. AGUILAR, DPWH	Overview of the Project
15:15pm-15:30pm	Ms. Lourdes Canon, Ms. Marilyn Musa, Environmentalist, CTI Engineering International Co., Ltd.,	Environmental Impacts and ECC validation
15:30pm-15:45pm	Engr. LYDIA C. AGUILAR, DPWH	DPWH Resettlement Plan
15:45pm-16:00pm	Sam Castillo, PRRC	PRRC Resettlement Update
16:00pm-16:30pm	Sam Castillo, PRRC	OPEN FORUM
16:30pm-16:35pm	Brgy. Captain Natividad.	Closing Remarks

The Preparatory Study for Pasig-Marikina River Channel Improvement Project
PUBLIC INFORMATION DISSEMINATION ON PMRCIP-III
 Barangay 894, Punta Sta. Ana, Manila City
 July 15, 2011; 14:35 pm

ATTENDANCE

ATTENDEES:

Ms. Lydia C. Aguilar	DPWH-PMO-MFCP I
Ms. Dorie Dayco	DPWH-PMO-MFCP I
Ms. Estrella B. Songco	Community Organizer, CTI Engineering International Co.,Ltd.
Ms. Ma. Lourdes Canon	Environmentalist, CTI Engineering International Co.,Ltd.
Ms. Marilyn Musa	Environmentalist, CTI Engineering International Co.,Ltd.
Mr. Norman Gamboa	DPWH-PMO-MFCP I
Mr. Francisco Macapagal	Site Inspector, CTI Engineering International Co.,Ltd.
Mr. Sam Castillo	Representative from PRRC

PAF's:

1.	Ms. Essie Edwards	Kagawad 897
2.	Ms. Leri Galang	Kagawad 897
3.	Mr. Rodolfo dela Peña	Brgy. 894
4.	Mr. Donato dela Pe Peña	Brgy. 894
5.	Mr. Emerson Joseph Cabrera	Brgy. 894
6.	Mr. Fred Cantor	Brgy. 897
7.	Mr. Nick Abenoja	Brgy. 894
8.	Mr. R. Ravalo	Brgy. 894
9.	Mr. Tony Peñaranda	D.S.O.P (Dikeside organization of Punta)
10.	Mr. Hermie R. Sabino	D.S.O.P (Dikeside organization of Punta)
11.	Mr. Danilo M. Gonzaga Sr.	D.S.O.P (Dikeside organization of Punta)
12.	Ms. Myra Celones Diaz	Brgy. 894
13.	Ms. Eliza C. Sacramento	Brgy. 894
14.	Ms. Aleah Jayme	Brgy. 894
15.	Mr. Jaymie C. Celones	Brgy. 894
16.	Mr. Ricris Peñaranda	Brgy. 894
17.	Ms. Josefina Mines	Brgy. 894
18.	Mr. Rommel Pasia	Brgy. 894
19.	Mr. Danilo Galang	Brgy. 897
20.	Mr. Ed Natividad	Brgy. 894
21.	Ms. Teresita Peñaranda	Brgy. 894
22.	Ms. Melinda Estacio	Brgy. 905
23.	Mr. Renato Raz	Brgy. 894
24.	Mr. Danny Abas	Brgy. 894
25.	Ms. Virginia C. Pancho	Brgy. 894
26.	Mr. Ernie Ryan Pancho	Brgy. 894
27.	Ms. Charlotte K. Rillo	Brgy. 894
28.	Ms. Remedios Rueda	Brgy. 894
29.	Ms. Helen Zalasar	Brgy. 894
30.	Mr. Adriano Asturias	Brgy. 896
31.	Mr. Eduardo Garcia	Brgy. Treas, 896
32.	Ms. Crispina Peñarande	Brgy. 894

33.	Ms. Josie R. Dumalasa	Brgy. 894
34.	Ms. Aniceta B. Aruta	Brgy. 894
35.	Ms. Editha C. Allora	Brgy. 894
36.	Mr. Crisente Calma	Brgy. 894
37.	Ms. Jessica Hallqvist	Brgy. 894
38.	Mr. Cyry m. Vergara	Brgy. 894
39.	Mr. Reynan A. Malto	Brgy. 894
40.	Ms. Yolanda C. Duran	Brgy. 894
41.	Mr. Renato Ravalo	Brgy. 894
42.	Mr. Joseph Ravalo	Brgy. 894
43.	Mr. John Michael Camposano	Brgy. 894
44.	Mr. Merlo Cator	Brgy. 894
45.	Mr. Genir Merllas	Brgy. 894
46.	Mr. Welmer Cator	Brgy. 894
47.	Ms. Ma. Luisa Riño	Brgy. 894
48.	Ms. Charmie K. Rillo	Brgy. 894
49.	Ms. Flora A. Riño	Brgy. 894
50.	Mr. Roman A. Riño, Jr.	Brgy. 894
51.	Mr. Wilfredo Clapando	Brgy. 894
52.	Ms. Marianne Peñarande	Brgy. 894
53.	Ms. Zorayda Cordova	Brgy. 894
54.	Ms. Rochelle Ayas	Brgy. 894
55.	Mr. Vicente A. Pineda	Brgy. 894
56.	Mr. Adalia O. Estacio	Brgy. 894
57.	Ms. Marlyn Laudít	Brgy. 894
58.	Ms. Adelina Celli	Brgy. 894
59.	Mr. Josefino Trinidad Sr.	Brgy. 894
60.	Mr. Edwin Labanda	Brgy. 894
61.	Ms. Mary Jane Cator	Brgy. 894
62.	Mr. Reland P. Corpuz	Brgy. 894
63.	Mr. Elinó C. Ortega, Jr.	Brgy. 894
64.	Mr. Raymundo O. Acebo	Brgy. 894
65.	Mr. Angelito Sacramento	Brgy. 894
66.	Ms. Bebot Corpuz	Brgy. 900
67.	Mr. Jose Delgado	Brgy 897

MINUTES OF THE 2nd PUBLIC CONSULTATIONS

Manila City: July 15, 2011 at 2:35 pm, Barangay 894 Barangay Hall

MINUTES OF DISCUSSION:

1. Opening remarks and introduction made by Brgy. Captain Natividad.
2. Recognition of the speakers of the meeting was acknowledged by Ms. Estrella Songco.
3. Purpose of the meeting and the presentation was briefly introduced by Engr. Lydia Aguilar.
4. Presentation of the overview of the project was discussed by Engr. Aguilar as summarized below:
 - The whole PMRCIP are divided into four (4) phases, namely, Phase I which covers the detailed engineering design and was completed in 2002, Phases II, III, and IV involve the construction/civil works stages for river improvement works along the Pasig, Lower and Marikina Rivers, respectively.
 - Implementation of the Phase II project involved river improvement works on the identified priority sections along Pasig River is currently ongoing and scheduled to be completed in 2012.
 - Currently, a preparatory study is being undertaken by the DPWH through technical assistance from the Japan International Cooperation (JICA) for the implementation of the proposed Phase III project.
 - The main scope of the proposed Phase III will consist among others, improvement of river channel along the Lower Marikina River such as an approximate of 5.4 km stretch dredging works, construction of dikes/river wall and provision of boundary banks and improvement of identified critical sections along the Pasig River area which were not covered under the ongoing Phase II project.
 - The main objective of the project is to mitigate flood damages in Metro Manila caused by the channel overflow of the Pasig-Marikina River.
5. Environmental Impact Statement (EIS) of the Project was presented by Ms. Lourdes Canon, Environmentalist , CTI Engineering International Co., Ltd., and highlighted the following important information:
 - The issued Environmental Compliance Certificate (ECC) for the PMRCIP including the proposed Phase III project is still valid; its conditions were then presented to the stakeholders.
 - Assessment of the project impacts in compliance with the JICA new requirements was also discussed.
6. Ms. Marilyn Musa continued with the discussion of the EIS, ECC, and all relevant studies concerning Phase III.
7. After the presentation of the environmental concerns, Engr. Aguilar then discussed the social concerns particularly the resettlement packages.
8. Representative from PRRC discussed the overview of the PRRC's project, status on affected informal settlers, the status on which areas that were covered and structures that have been removed to date, status of their census concerning informal settlers, and the status of their own coordination meetings with individual baranggays, and clarification on the easement distance of the PRRC.
9. After the presentation by the PRRC representative, the open forum (Q & A) followed.

<p>Q-1 asked by Tony Peñaranda, Dikeside organization of Punta Can those who have previously accepted the resettlement package for the PRRC project avail of the compensation that will be offered by DPWH for the Phase III?</p>
<p>A-1 answered by: Engr. Dorie Dayco: the option for compensation from the DWPH is for Phase III and just compensation will only be done once the Phase III project is on its implementation stage. Ms. Estrella Songco: there are two different options: one from DPWH phase III and one for the PRRC project. However compensation may only be availed once, and that once relocated, compensation offered by the DPWH will only be those to be affected on the areas covered by Phase III. Only one option can be chosen. Engr. Dorie Dayco added that if a certain area will be been covered by the Phase III; however if was compensated previously, will not be entitled for a new compensation.</p>
<p>Q-2 asked by Ms. Bebot Corpuz from Brgy. 900: What is the compensation for private property?</p>
<p>A-2 answered by:Engr. Aguilar: Compensation have a different calculation for private property and will be subject for assessment and verification of supporting documents.</p>
<p>Q-3 asked by Adriano Asturias from Brgy. 896: Regarding the just compensation, is there a process to be undertaken for private owners? Will there be proper expropriation?</p>
<p>A-3 answered by Engr. Aguilar: Yes, with regards to private property, DPWH-IROW office will ask the owner to submit legal documents like tax declaration and title.</p>
<p>Q-4 asked by asked by Tony Peñaranda from Dikeside organization of Punta How come other private areas like those owned by big companies are not experiencing the same removal as us informal settlers with regards to the 10 meter easement from PRRC? Is there a law justifying this?</p>
<p>A-4 answered by Sam Castillo of PRRC: There is a provision on an executive order that justifies the 10 meter easement. We will provide you exact information on this at a later time. Engr. Aguilar: DPWH project implementation covers 3m, and DPWH concern is different from the 10 meter easement width of PRRC.</p>
<p>Q-5 asked by asked by Jose Delgado from Brgy 897 I have a tag number, but when I looked at the PRRC master list, I am not listed, why is it so?</p>
<p>A-5 answered by Ms. Songco: You may clarify your tag number with PRRC offices why you have a tag number but not on the master list. Sam Castillo: We will discuss your inquiry once we get a schedule on your barangay. We will have to verify it with our office's census.</p>
<p>Q-6 asked by Tony Peñaranda from Dikeside organization of Punta Where will the phase III dredging be situated?</p>
<p>A-6 answered by Ma. Lourdes Canon: Dredging will only be at the Marikina area.</p>
<p>Q-7 asked by Mr. Eduardo Garcia from brgy 896 Which IRR will be used? For Phase III, is it the same for PRRC? With the compensation which will be used?</p>

<p>A-7 answered by Engr. Dorie Dayco: IRR is different from the DPWH and PRRC. For the compensation option, it is your choice whether you will choose the DPWH or PRRC. However, you can only choose one of the two options.</p>
<p>Q-7 asked by Mr. Eduardo Garcia from brgy 896 Where do you measure the 3 meter easement?</p>
<p>A-7 answered by Norman Gamboa, DPWH: From the edge of the river bank.</p>
<p>Q8 - asked by Mr. Jose Delgado from Brgy 897 With regards to the garbage that is dumped in the river, not only the informal settlers are the cause of it. How about those big industries that plying the Pasig river?</p>
<p>A-8 answered by Engr. Aguilar: As I have mentioned before there is a Mandamus from the Supreme court to clear obstructions that is polluting the river. Other government agencies like the PPA, Coast guard, DENR, and other local government units are involved in implementing this mandamus, including educational activities for big industries.</p>
<p>Q9 - asked by Ms. Melinda Estacio of Brgy. 905 Once the program of or PRRC is finished, who will be managing the resettlement site especially those in Jaime Cardinal Sin Village?</p>
<p>A-9 answered by Sam Castillo: PRRC will hand over the management of the resettlement site to NHA (National Housing Authority) once the PRRC resettlement program is complete.</p>

10. After answering the last question, the discussion was adjourned at 4:35 pm. Engr. Aguilar expressed her thanks to the participants of the gathering, and requested for the support of the project from the attendees of the various barangays in the Sta. Ana area.



INFORMATION DISSEMINATION FOR PASIG-MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PHASE III)

JULY 20, 2011

10:00AM, WEST REMBO MAKATI CITY

PROGRAM

10:00-10:15am	Acknowledgement of Attendees	Ms. Estrella B. Songco
10:15-10:35am	Overview of the Project	Engr. Lydia C. Aguilar
10:35-10:55am	Presentation of EIS and ECC	Ms. Ma. Lourdes C. Canon
10:55-11:40am	Open Forum	Ms. Estrella B. Songco
11:45	Closing Remarks	Ms. Estrella B. Songco

ATTENDANCE

Name	Office	Contact Details
Engr. Lydia C. Aguilar	DPWH-PMO-MFCP (I)	
Engr. Dorie Dayco	DPWH-PMO-MFCP (I)	
Ms. Estrella B. Songco	DPWH-PMRCIP	
Ms. Ma. Lourdes Canon	Environmentalism, WCI-PMRCIP	
Ms. Maribel M. Lumang	Makati Social Welfare Department	
Mr. Roland G. Ocsan	Makati Department of Engineering and Public Works	
Kagawad Jeff Aragon	Brgy. West Rembo	
Kagawad Manuel Coliong	Brgy. West Rembo	
Mr. Pete Caudilla	Staff, Brgy. West Rembo	

MINUTES OF THE 2nd PUBLIC CONSULTATIONS

4. **Makati City:** July 20, 2011 at 10:00 am, Barangay West Rembo Conference Room

Ms. Estrella B. Songco, PMRCIP presided the meeting by introducing the team to Brgy. West Rembo officials and Staff and to the families present during the consultation.

Engr. Lydia C. Aguilar, DPWH-PMO-MFCP (I) discussed the reason of the consultation meeting as enumerated below:

- (1) Different Construction Stages
- (2) Scope of Works
- (3) Future plans/preparatory studies
- (4) Overview of the design for Phase III and Phase IV

Engr. Aguilar presented an illustration/map to show the construction area of the proposed PMRCIP (Phase III) Project. She also gave a quick overview on the on-going project which is the PMRCIP (Phase II).

Ms. Ma. Lourdes C. Canon, Environmentalist, gave a quick overview on the monitoring activities of the Project, objectives of the Environmental Impact Statement and requirements for the Environmental Compliance Certificate for Phase II and Phase III Project.

Engr. Lydia C. Aguilar, DPWH-PMO-MFCP (I) discussed the following IS requirements:

- (1) Maximum of 3-meter legal easement from the riverbanks.
- (2) DPWH Compensation Scheme/option which regards to resettlement of ISF.
 - DPWH will compensate the affected structures (by measuring every structures affected)

She added that for the LGU-Makati will give 3-days food assistance and trucking.

Ms. Maribel M. Lumang, MSWD further clarifies that City of Calauan issued a Resolution that no ISF will be relocated to Makati Resettlement Site. She therefore stated that no option for relocation to Calauan but she added that LGU-Makati will provide 3-day food assistance and trucking.

OPEN FORUM:

Q1- Mr. Leonard Marquez

- No objection on the 3-meter easement.
- He sent letter to PRRC copy furnished MMDA, DPWH, LGU and Pasig ferry regarding on the problem along pasig river and until now there was no reply from the said agencies.
- He stated that he is also involved in the environmental protection through the Disaster Risk Reduction Management Council (DrRMC).
- He said that on the part of his area of jurisdiction they also show concerns on environmental aspect and suggested that they should be given an authority to prevent the people throwing garbage in the river.
- He suggested to include the beautification on Pasig River.

A1.1-Ms. Maribel M. Lumang, MSWD

- She commented on Mr. Marquez suggestion that there is no need to seek an authority/permit to prevent people throwing garbage in the river because we should be responsible for our surroundings. We should have social responsibility on areas of concern.

A1.2-Engr. Lydia C. Aguilar, DPWH-PMO- MFCP (I)

- Engr. Aguilar was thankful on the information given by Mr. Marquez that they don't have any objection on the 3-meter legal easement.
- She seeks the assistance of families living within the riverbanks for the smooth implementation of the Project.

<p>Q2-Mr. Leonardo Marquez</p> <ul style="list-style-type: none"> - He suggested that a vacant/idled lot near C5 that can be identified as relocation site.
<p>A2.1- Ms. Maribel M. Lumang</p> <ul style="list-style-type: none"> - The LGU must have plans/programs on the idled lands that is why the LGU buy a land in Caluan, Laguna as resettlement site to all affected ISF in Makati.
<p>Q2.2-Mr. Leonardo Marquez</p> <ul style="list-style-type: none"> - He sited an area which is the former target range area was now occupied by two big buildings.
<p>A2.2- Ms. Maribel M. Lumang</p> <ul style="list-style-type: none"> - She answered that it is a disputed area between Makati and Taguig.
<p>Q3- Kagawad . Manuel Coliong</p> <ul style="list-style-type: none"> - Thus the Project only requires 3-meter easement?
<p>A3- Engr. Lydia C. Aguilar</p> <ul style="list-style-type: none"> - As for the PMRCIP (Phase III) Project, a 3-meter legal easement is required.
<p>Q4- Kagawad Manuel Coliong</p> <ul style="list-style-type: none"> - Is the 3-meter easement safe?
<p>A4.1- Ms. Marible M. Coliong</p> <ul style="list-style-type: none"> - She further explained that the supreme court Mandamus Resolution that LGU and Barangay Officials are mandated to clean the waterways. There is an order that when it pertains to main river easement requires 10-meter and for tributaries 3-meter easement. <p>A4.2-Engr. Lydia C. Aguilar, DPWH-PMO- MFCP (I)</p> <ul style="list-style-type: none"> - A Series of coordination will be conducted and to prevent influx of ISF. <p>A4.3- Ms. Estrella B. Songco, PMRCIP Consultant</p> <ul style="list-style-type: none"> - In the implementation of the Project re-validation of ISF will be conducted. - If there are new returnees the barangay should coordinate with LGU for necessary action.
<p>Q5- Ms. Janelle Calimlim</p> <ul style="list-style-type: none"> - What is really the exact total easement needed by the Project?
<p>A5- Engr. Dorie Dayco</p> <ul style="list-style-type: none"> - She clarified that for the PMRCIP (Phase III) Project; only 3-meter easement is needed. ISF who are affected by the Project will be entitled for the DPWH Compensation.



**PUBLIC INFORMATION DISSEMINATION/CONSULTATIONS ON PASIG-MARIKINA
RIVER CHANNEL IMPROVEMENT PROJECT (PMRCIP), PHASE III
MINUTES OF PUBLIC CONSULTATIONS ALONG LOWER MARIKINA RIVER**

DATE	August 12, 2011
VENUE	Barangay Maybunga, Pasig city
TIME	10:00am

ATTENDANCE:

NAME	OFFICE	CONTACT NO.
Engr. Dorie Dayco	DPWH-PMO-MFCPI	
Ms. Estrella B. Songco	CTII/WCI	

ATTENDEES:

NAME	CONTACT NO.
1. Marites Perillo	
2. Aurora T. Valdezco	
3. Alfred M. Lalu	
4. Raymundo A. Viray	
5. Raffy V. De Guzman	
6. Eleonor Dela Rosa	
7. Francisco Mabutot	
8. Annabelle O. Cabailo	
9. Isabel B. Babatio	
10. Ma. Gerlie D. Jaurique	
11. Solidad AUSA	
12. Roberto Juli	
13. Fernando Juan	
14. Nancy G. Agualin	
15. Oscar M. Gamingan	
16. Nestor Camacho	
17. Antonio E. Abailo Jr.	
18. Domingo P. Umoso Jr.	
19. Raquel C. Eugenio	
20. Benita C. Tabuloc	
21. Medardo L. Debulos	
22. Marlyn J. Viray	
23. Merna Mendoza	
24. Fausta J. Viray	

The Public Information Dissemination/Consultation meeting for the proposed Pasig-Marikina River Channel Improvement Project (PMRCIP), Phase III was conducted to the PAFs with improvements like pig pen/dog house/fence, crops, vegetables, trees along the Lower Marikina River areas where the proposed dikes and other related flood control structures will be constructed.

The highlights of the said undertaking are as follows:

1. Recognition of the participants was acknowledged by Ms. Estrella B. Songco.
2. The purpose of the aforementioned public information dissemination/consultation was briefly explained by Engr. Dorie Dayco and subsequently presented the overview of the project which include among others, **(a) coverage of the whole PMRCIP** including its four (4)

sub-components, namely, PMRCIP, Phase I (Detailed Engineering Design for the whole project, completed in 2002), PMRCIP, Phase II (1st Stage of the Construction/Civil Works component, on-going), PMRCIP, Phase III (2nd Stage of the Construction/Civil Works component, currently proposed for implementation) and PMRCIP, Phase IV (3rd Stage of Construction/Civil Works component, to be proposed for future funding) and **(b) objective/importance and impact/implication of the project as a whole**, to the communities who will be directly benefited and/or protected from the implementation of the project.

3. Engr. Dayco mentioned that currently the next stage of construction phase which is **PMRCIP (Phase III)** is being proposed for implementation, thus, it is now on the preparatory/preparation stage wherein one of the activities being undertaken is the said public information/consultation, to promote public awareness and/or participation especially those who will be affected by the project.
4. Engr. Dayco also discussed information relative to the construction of dike/revetment being one of the components being proposed under the PMRCIP (Phase III), mainly for flood control purposes and to be constructed within the identified riverbank section/area along the lower Marikina River (*as shown in the illustration materials*), hence, might affect the existing improvements like pig pen/dog house/fence etc. and/or crops, vegetables, trees situated thereat.
5. Engr. Dayco explained however, that those owners of said improvements including crops/vegetables/trees that will be identified to be affected by the implementation of the project particularly the construction of said proposed dike/revetment will be compensated based on their corresponding current (market) value (*as shown in the entitlement matrix under the DPWH resettlement plan/program for the PMRCIP III*) which are subject for validation during the implementation of resettlement activities.
6. After the above presentation/explanation about the project, open forum (Q & A) was then followed.

OPEN FORUM

	QUESTION	ANSWER
Q1 Raymundo Viray/Roberto Juli	What is the affected area by the Project?	The affected area of the Project is within the river area and it is also within the limits of 3meter easement of the river.
Q2 Medardo Debulos	Is the measurement of the 3meters will start from the river bank to landside? How about the crops/trees affected by the Project?	-Yes, the measurement of the said 3 meters will start from the riverbank towards the landside. -The crops/trees/vegetables planted will be compensated at current market price at the time of taking, except to those crops which are ready/good for harvest, which will also revalidated during the resettlement process.
Q3 Medardo Debulos	Is there any compensation/ payments to the affected improvements like crops/trees/vegetables?	-Yes, all improvements affected by the project will have a corresponding compensation, as mentioned earlier, except to those crops which are ready for

<p>Q4 Nestor Camacho</p>	<p>How about if houses are affected outside the 3m easement?</p>	<p>harvest.</p> <p>- There is no houses identified to be affected by the construction of the said dike/ revetments, since, it is proposed to be constructed within the limits of the river park at landside area. On the other hand, because of the Supreme Court Decision /Mandamus to clean up the Manila Bay, all LGUs are mandated to clear areas along the 10meter easement for major rivers including Pasig-Marikina River and 3 meter for tributary (small) rivers in Metro Manila and NCR. Hence, the ISF along the Lower Marikina River which is within the said 10m will be relocated by LGUs in coordination with NHA and MMDA.</p>
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7. With no more questions/concerns raised, Engr. Dayco expressed thanks to all participants on said gathering and solicited their support and cooperation to the smooth implementation of the project.
8. The participants expressed positive response and also gave thanks for imparting the concept of the project as well as its purpose.
9. The discussion was adjourned at 10:45 pm.



**PUBLIC INFORMATION DISSEMINATION/CONSULTATIONS ON PASIG-MARIKINA
RIVER CHANNEL IMPROVEMENT PROJECT (PMRCIP), PHASE III
MINUTES OF PUBLIC CONSULTATIONS ALONG LOWER MARIKINA RIVER**

DATE	August 12, 2011
VENUE	Barangay Ugong, Pasig City
TIME	11:00am

ATTENDANCE:

NAME	OFFICE	CONTACT NO.
Engr. Dorie Dayco	DPWH-PMO-MFCP I	
Ms.EStrella B. Songco	CTII/WCI	

ATTENDEES:

NAME	CONTACT NO.
1.Nino W. Cawelan	
2.Rodolfo Dimla	
3.Delsa Ginara	
4.Gemma M. Casi	
5.Julieto L. Ga	
6.Onofre Cemanes	
7.Rufina Sta Ana	
8.Domingo Reyes	
9.Ernesto Santos	
10. Romeo Sta Ana	
11.Dario Ronelo	
12.Angeles Loba	
13.Ranelo Ravena	
14.Mariano Bernardo	
15.Herman Sarmiento	
16.Felicidad Ardenci	
17.Acar, Alexander T.	
18.Teodolfo Albacete	
19.Amelia R. Velarde	
20.Beni C. Ahun	
21.Rosemarie Namias	
22.Mitzi Namias	
23.Severina Antonio	
24.Mary Ann Sevillan	
25.Lucile Tilan	
26.Emelia Alcazar	
27.Lilibeth A. Garcia	

The Public Information Dissemination/Consultation meeting for the proposed Pasig-Marikina River Channel Improvement Project (PMRCIP), Phase III was conducted to the PAFs with improvements like pig pen/dog house/fence, crops, vegetables, trees along the Lower Marikina River areas where the proposed dikes and other related flood control structures will be constructed.

The highlights of the said undertaking are as follows:

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2. The purpose of the aforementioned public information dissemination/consultation was briefly explained by Engr. Dorie Dayco and subsequently presented the overview of the project which include among others, **(a) coverage of the whole PMRCIP** including its four (4) sub-components, namely, PMRCIP, Phase I (Detailed Engineering Design for the whole project, completed in 2002), PMRCIP, Phase II (1st Stage of the Construction/Civil Works component, on-going), PMRCIP, Phase III (2nd Stage of the Construction/Civil Works component, currently proposed for implementation) and PMRCIP, Phase IV (3rd Stage of Construction/Civil Works component, to be proposed for future funding) and **(b) objective/importance and impact/implication of the project as a whole**, to the communities who will be directly benefited and/or protected from the implementation of the project.
3. Engr. Dayco mentioned that currently the next stage of construction phase which is **PMRCIP (Phase III)** is being proposed for implementation, thus, it is now on the preparatory/preparation stage wherein one of the activities being undertaken is the said public information/consultation, to promote public awareness and/or participation especially those who will be affected by the project.
4. Engr. Dayco also discussed information relative to the construction of dike/revetment being one of the components being proposed under the PMRCIP (Phase III), mainly for flood control purposes and to be constructed within the identified riverbank section/area along the lower Marikina River (*as shown in the illustration materials*), hence, might affect the existing improvements like pig pen/dog house/fence etc. and/or crops, vegetables, trees situated thereat.
5. Engr. Dayco explained however, that those owners of said improvements including crops/vegetables/trees that will be identified to be affected by the implementation of the project particularly the construction of said proposed dike/revetment will be compensated based on their corresponding current (market) value (*as shown in the entitlement matrix under the DPWH resettlement plan/program for the PMRCIP III*) which are subject for validation during the resettlement process/activity.
6. After the above presentation/explanation about the project, open forum (Q & A) was then followed.

OPEN FORUM

	QUESTION	ANSWER
Q1 Romeo Sta Ana	In the implementation of the Project, Is the river park will be affected?	During the implementation of the Project, the river park will temporarily be affected, since, dike/revetment is being proposed to be constructed on said river park area to protect the neighborhood communities from overflowing of water on the river specially during flood. After construction, the river park will be heightened since it will be restored on top of the said dike.
Q2 Romeo Sta Ana	Before the implementation of the Project, is DPWH will also conduct series of consultation meetings with us?	Yes, prior to the implementation of the Project, DPWH will still conduct series of consultation meetings especially with the PAFs. Likewise, the DPWH is continuously coordinating with the LGU relative to the Project.

<p>Q3 Romeo Sta Ana</p>	<p>- After the river park, are you going to get another 3 meter easement to the landside during the construction?</p> <p>- Well good to here that, thank you. Anyway, we will support and cooperate to the realization of the said flood control project.</p>	<p>-No, as explained earlier, the river park will only be affected temporarily. During construction works, river based operation for the project will be applied wherein the construction activities will be undertaken in the riverside.</p> <p>- We are also glad to hear your support and cooperation for the success of the project. Thank you very much.</p>
<p>Q4 Dra. Elizabeth Garcia</p>	<p>Thank you so much for giving as good information about the project, we really appreciated that. May I also tell that during Typhoon Ondoy, the river park was affected by water with sand and mud and went up to the residence area. There is no sufficient drainage outlet for water to pass through the river. I suggest to have drainage outlet.</p>	<p>We are also thankful receiving your appreciation about the project. Likewise, your suggestion is well taken, it might be reviewed during detailed design and you may also bring the said drainage outlet problem with the LGU, so that they can act immediately and appropriately on your concerned.</p>
<p>Q5 Rodello Ravena</p>	<p>The only problem is the low lying areas at the landside, there are collapsed areas even without rains or typhoon. I suggest said areas to be included in the Project.</p>	<p>Your suggestion is also noted, during detailed design which is tentatively scheduled to commence in 2012, extensive analyses/studies will be conducted to determine the actual condition of the river sections/areas especially those who need urgent protection works.</p>

7. With no more questions/concerns raised, Engr. Dayco expressed thanks to all participants on said gathering and solicited again their support and cooperation to the smooth implementation of the project.
8. On that note, the participants expressed positive response and also gave thanks for imparting the concept of the project as well as its purpose.
9. The discussion was adjourned at 12:15 pm.



**PUBLIC INFORMATION DISSEMINATION ON PMRCIPIII
MINUTES OF THE PUBLIC INFORMATION/CONSULTATIONS FOR THE PROPOSED
PASIG- MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PHASE III)**

DATE	August 20, 2011
VENUE	Barangay Bagong Ilog, Pasig city
TIME	11:00am

ATTENDANCE:

NAME	OFFICE	CONTACT NO.
Engr. Dorie Dayco	DPWH-PMO-MFCP I	
Ms.EStrella B. Songco	Community Organizer, CTII/WCI	

ATTENDEES:

NAME	CONTACT NO.
1. Aurora Ramirez	
2. Linda Gutfan	
3. Mercy Ambay	
4. Joan Magallan	
5. Arceli Ordas	
6. Marlyn Estologa	
7. Avelina Carandang	
8. Marlie Hamut	
9. Eddie Ramirez	
10. Jose Voces	
11. Josephine Calinao	
12. Rene Calumba	

The Public Information Dissemination/Consultation meeting for the proposed Pasig-Marikina River Channel Improvement Project (PMRCIP), Phase III was conducted to the PAFs with improvements like pig pen/dog house/fence, crops, vegetables, trees along the Lower Marikina River areas where the proposed dikes and other related flood control structures will be constructed.

The highlights of the said undertaking are as follows:

1. Recognition of the participants was acknowledged by Ms. Estrella B. Songco.
2. The purpose of the aforementioned public information dissemination/consultation was briefly explained by Engr. Dorie Dayco and subsequently presented the overview of the project which include among others, **(a) coverage of the whole PMRCIP** including its four (4) sub-components, namely, PMRCIP, Phase I (Detailed Engineering Design for the whole project, completed in 2002), PMRCIP, Phase II (1st Stage of the Construction/Civil Works component, on-going), PMRCIP, Phase III (2nd Stage of the Construction/Civil Works component, currently proposed for implementation) and PMRCIP, Phase IV (3rd Stage of Construction/Civil Works component, to be proposed for future funding) and **(b) objective/importance and impact/implication of the project as a whole**, to the communities who will be directly benefited and/or protected from the implementation of the project.
3. Engr. Dayco mentioned that currently the next stage of construction phase which is **PMRCIP (Phase III)** is being proposed for implementation, thus, it is now on the preparatory/preparation stage wherein one of the activities being undertaken is the said public information/consultation,

to promote public awareness and/or participation especially those who will be affected by the project.

4. Engr. Dayco also discussed information relative to the construction of dike/revetment being one of the components being proposed under the PMRCIP (Phase III), mainly for flood control purposes and to be constructed within the identified riverbank section/area along the lower Marikina River (*as shown in the illustration materials*), hence, might affect the existing improvements like pig pen/dog house/fence etc. and/or crops, vegetables, trees situated thereat.
5. Engr. Dayco explained however, that those owners of said improvements including crops/vegetables/trees that will be identified to be affected by the implementation of the project particularly the construction of said proposed dike/revetment will be compensated based on their corresponding current (market) value (*as shown in the entitlement matrix under the DPWH resettlement plan/program for the PMRCIP III*) which are subject for validation during the resettlement process/activity.
6. After the above presentation/explanation about the project, open forum (Q & A) was then followed.

OPEN FORUM

	QUESTION	ANSWER
Q1 Rene Calumba	Are DPWH is the one presently dredging the River? Our plants were affected and they put the dredged materials to our plants.	- The proposed PMRCIP (Phase III) is not yet started. The tentative schedule for the implementation of the project is in 2013. Right now it is still under the preparation/preparatory stage wherein this consultation activity is included.
Q2 Eddie Ramirez	If in case our area will be affected by the this DPWH Project, we are very willing to vacate the area once the project is implemented, we will support this flood control project since we are the first that will be benefited.	Thank you for your cooperation and support to the Project.
Q3 Eddie Ramirez	Is there any compensation/ payments to the affected improvements like trees?	Yes, if there are improvements identified to be affected by the project, they will be compensated at current market value, except to those crops which are ready for harvest.
Q4 Eddie Ramirez	Why is it in Marikina City area are flooded than areas in Pasig City?	- Because all the water coming from Antipolo and other areas upstream directly discharge and runs to the Upper Marikina River. The PMRCIP (Phase IV) which will be the next construction stage after the proposed PMRCIP (Phase III) will also be proposed in the

		future which will cover channel improvement of Upper Marikina River.
Q5 Eddie Ramirez	Is DPWH will conduct surveys on the improvements along the River?	Yes, actually we are now conducting the census survey of all the improvements of the PAFs along the Lower Marikina River.

7. With no more questions/concerns raised, Engr. Dayco expressed thanks to all participants on said gathering and solicited their support and cooperation to the smooth implementation of the project.
8. The participants expressed positive response and also gave thanks for imparting the concept of the project as well as its purpose.
9. The discussion was adjourned at 11:45 pm.



**MINUTES OF THE FOCAL GROUP DISCUSSIONS/CONSULTATIONS FOR THE
PROPOSED PASIG- MARIKINA RIVER CHANNEL IMPROVEMENT PROJECT (PHASE
III)**

DATE	August 20, 2011
VENUE	Barangay Rosario, Pasig City (Left Bank)
TIME	8:00am & 2:00 pm

ATTENDANCE

NAME	OFFICE	CONTACT NO.
Engr. Dorie Dayco	DPWH-PMO-MFCP I	
Ms.EStrella B. Songco	CTII/WCI	

NAME	CONTACT NO.
1. Mario S. Noarin	
2. Shirley Reposo	
3. Jinkee Aromiro	
4. Roberto Rivera	
5. Francisco T. Fernandez	
6. Estelita G. Bedana	
7. Severino Galvez	
8. Dionicio Galvez	
9. Pilar Bolalin	
10. Evangeline Borromeo	
11. Jenny Supiter	
12. Bernanrd Delos Santos	
13. Celistino Santos	
14. Glocece Dauag	
15. Ronelo Celo	
16. Joaquin Narag	
17. Agustin Castro	
18. Maria Perbillo	
19. Ana Taganili	
20. MarcelinaTornia/Herminda Sarita	
21. Marissa Itona	
22. Rachel Reyes	
23. Johnny Luar	
24. Feliciano Ruiz	
25. Felino Ruiz	
26. Angelita Tangonan	
27. Aida Estrella	
28. Teresita Canales	
29. Larry Damagan	
30. Jocyln Argonia	
31. Lucas Peralta	
32. Crestita Jarata	
33. Jun Limpuasan	
34. Carlito Purganan	
35. Crisol Paterter	
36. Marian Rodriguez	
37. Saturnino Ibanez	
38. Rolly Bron	

NAME	CONTACT NO.
39. Consuelo Penaflor	
40. Menchie Eguid	
41. Mercedes Dalia	
42. Eddie Arturio	
43. Alfonso Supang	

Series of Focal Group Discussions/Consultations simultaneous with the census survey were conducted to the owners of improvements inside the riverbank limits (edge of the existing road) which may be affected by the implementation of the proposed Pasig-Marikina River Channel Improvement Project (PMRCIP), Phase III specifically with the construction of the proposed dike at the said areas.

Highlights of the discussion:

1. Acknowledgement of the participant was made by Ms. Estrella B. Songco.
2. The purpose of the aforementioned the aforementioned focal group discussion was briefly explained by Engr. Dorie Dayco and subsequently presented the overview of the project which include among others, **(a) coverage of the whole PMRCIP** including its four (4) sub-components, namely, PMRCIP, Phase I (Detailed Engineering Design for the whole project, completed in 2002), PMRCIP, Phase II (1st Stage of the Construction/Civil Works component, on-going), PMRCIP, Phase III (2nd Stage of the Construction/Civil Works component, currently proposed for implementation) and PMRCIP, Phase IV (3rd Stage of Construction/Civil Works component, to be proposed for future funding) and **(b) objective/importance and impact/implication of the project as a whole**, to the communities who will be directly benefited and/or protected from the implementation of the project.
3. Engr. Dayco mentioned that currently the next stage of construction phase which is **PMRCIP (Phase III)** is being proposed for implementation and it is now on the preparatory/preparation stage wherein one of the activities being undertaken is the information/discussion/consultation with the PAFs, to promote public awareness and/or participation especially those who will be affected by the project.
4. Engr. Dayco discussed information relative to the construction of dike/revetment being one of the components being proposed under the PMRCIP (Phase III), mainly for flood control purposes and to be constructed within the identified riverbank section/area along the lower Marikina River (*as shown in the illustration materials*), hence, might affect the existing improvements like pig pen/dog house/fence etc. and/or crops, vegetables, trees situated thereat.
5. Engr. Dayco explained however, that those owners of said improvements including crops/vegetables/trees that will be identified to be affected by the implementation of the project particularly the construction of said proposed dike/revetment will be compensated based on their corresponding current (market) value which are subject for validation during the resettlement process/activity.
6. Engr. Dayco also added that said affected improvements from the edged of the existing road to the river channel will be surveyed after the focal discussion.
7. After the above presentation/explanation about the project, open forum (Q & A) was then followed.

OPEN FORUM

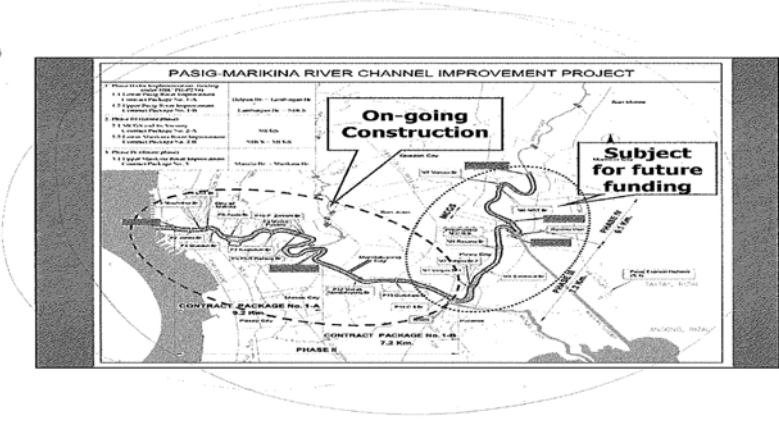
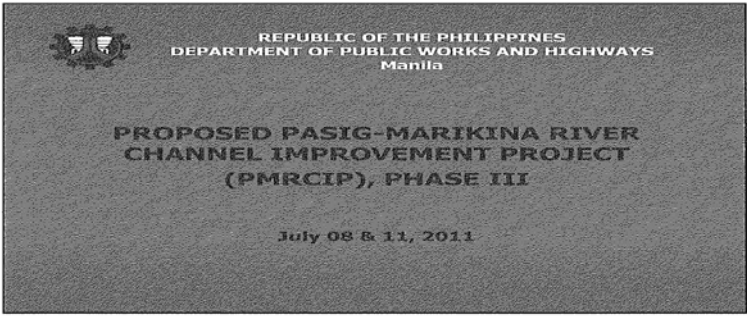
	QUESTION	ANSWER
Q1 Menchie Eguid	What project are you going to construct in the area. Where it	-As explained earlier, the major scope of the PMRCIP (Phase

	will be constructed?	III) Project is dredging an approximately 5.4 km stretch of Lower Marikina River, dike/revetment, river wall are proposed to be constructed along the said area. The Projects is scheduled to commence by end month of 2013.
Q2 Roberto Rivera	Are you going to compensate the improvements affected by the Project? In case the implementation of the Project started, the residents are willing to cooperate.	- Yes, all the improvements will be compensated based on their corresponding current (market) value, except to those crops ready for harvest. Thank you for supporting this project.

8. After questions/concerns have been raised, Engr. Dayco continuously expressed thanks to all participants and solicited their support and cooperation to the smooth implementation of the project. Hence, the concerned participants/listeners expressed also their support and cooperation for the project.



PRESENTATION MATERIALS USED FOR PUBLIC CONSULTATIONS



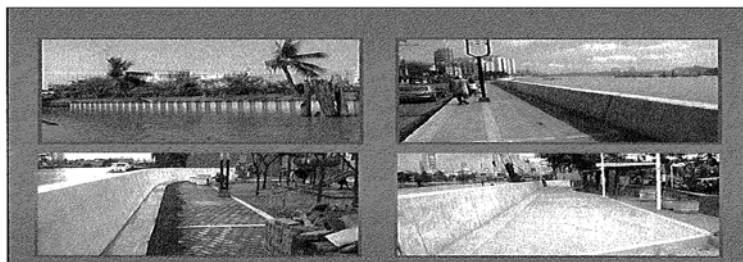
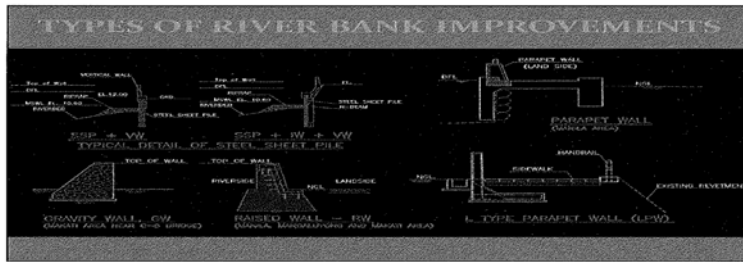
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CONSTRUCTION STAGES OF PMRCIP

STAGE I
 also referred to as **PMRCIP (Phase II)**
 currently on-going with funding assistance from the Japanese Government through JICA Loan No. PH-P239
 involves construction and improvement of revetments/river walls, parapet walls and appurtenant drainage improvement works along the critical/priority stretch of the Pasig River (from Delpa Bridge up to immediate vicinity of the Napindan Hydraulic Control Structure-NHCS)



2



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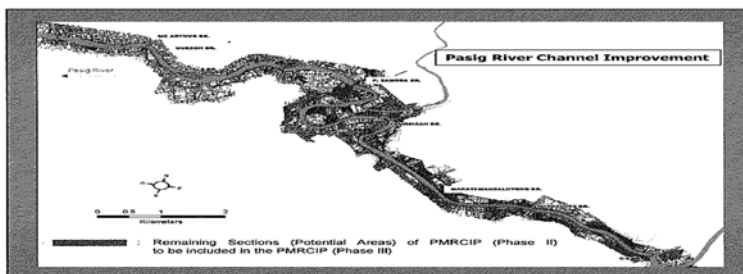
CONSTRUCTION STAGES OF PMRCIP

STAGE II

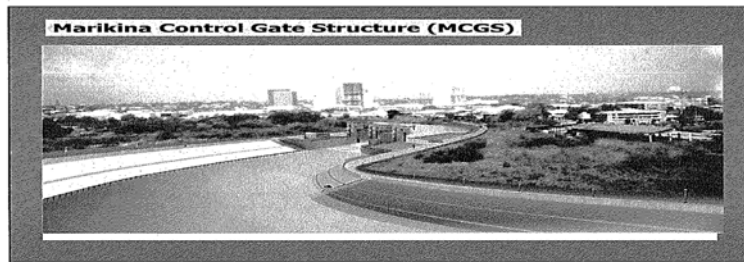
also referred to as **PMRCIP (Phase III)**
proposed for immediate funding

involves dredging & excavation works, provision of new parapet wall and embankment along selected critical sections of the Lower Marikina River (from NHCS to Mangahan Floodway), including the additional potential works from PMRCIP (Phase II) that are not included in the original scope of works

originally covered the construction of the Marikina Control Gate Structure (MCGS)



4



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CONSTRUCTION STAGES OF PMRCIP
STAGE III
 also referred to as **PMRCIP (Phase IV)**
 proposed for immediate funding
 Involves dredging & excavation works, provision of new parapet wall and embankment along the Upper Marikina River (from Mangahan Floodway to Marikina Bridge in Sto. Niño)

PATRICK B. GATAN, Project Director
 DPWH-PMO-Major Flood Control Projects I
 2nd St. Port Area, Manila
 304-3813/304-3815
 SOFIA T. SANTIAGO, Project Manager
 PMRCIP II - Field Office
 Old Panaderos St. Sta. Ana, Manila
 353-6277

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**End of Presentation
Thank You!!!!**

HISTORY OF FLOOD CONTROL IN METRO MANILA

1942: The first Study was undertaken after the flood in November 1942

1947-1952: The Study resumed after the Battle of Manila. The Study covered North Manila Watershed (2,176 has) and South Manila Watershed (2,908 has)

1954: GOP - Study on the Drainage of Metro Manila and Suburbs

1974-1978: OECF Loan - Construction of first 7 Pumping Stations (Pandacan, Aviles, Quiapo, Valencia, Tripa de Gallina, Sta. Clara & Paco); 2 Independent Floodgates and 4 Drainage Mains

: OECF Loan - Construction of additional 5 Pumping Stations (Libertad, Makati, Binondo, Balate & Escolta); 3 Independent Floodgates and 3 Drainage Mains

1980-1988: OECF Loan - Construction of Mangahan Floodway

7

HISTORY OF FLOOD CONTROL IN METRO MANILA

1983: ADB Loan - Construction of Napindan Hydraulic Control Structure

1984: World Bank - Metro Manila Integrated Urban Drainage and Flood Control Master Plan

1988-1990: JICA - Study on Flood Control and Drainage Project in Metro Manila

Priority Areas for Implementation:

a) Kalookan-Malabon-Navotas-Valenzuela (KAMANAVA)

b) Pasig-Marikina River System Improvement Project

c) Taguig-Pateros-Pasig-Cainta-Taytay Area (West of Mangahan Floodway)

1998: JICA - Special Assistance for Project Formation (SAPROF) on the PMRCIP

2000: JICA - The Study on the Existing Drainage Laterals in Metro Manila

HISTORY OF FLOOD CONTROL IN METRO MANILA

2000-2002: JBIC - Detailed Engineering Design of PMRCIP (Phase I)

2002-2003: JICA - The Study on Drainage Improvement in the Core Area of Metro Manila

2000-2007: JBIC - Construction of Metro Manila Flood Control Project - West of Mangahan Floodway

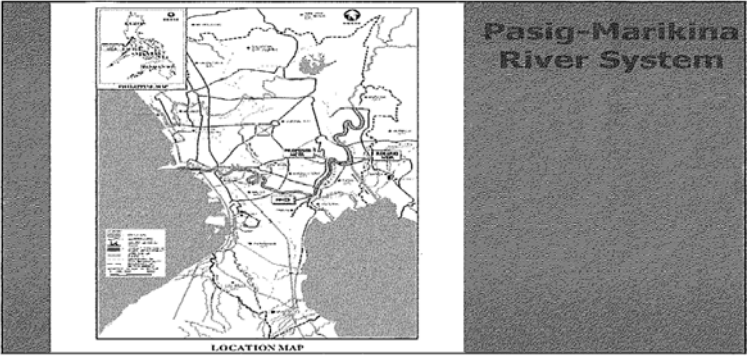
2003-2009: JBIC - Construction of Kamanava Project (Stage I)

2007-Present: JICA - Implementation of PMRCIP (Phase II) - Construction of Stage I

2010-2011: World Bank - Master Plan Updating Towards Sustainable Flood Management in Metro Manila and Surrounding Areas

2010-2011: JICA - Preparatory Study for PMRCIP

8



Prediction/Assessment of Impacts and Mitigating Measures

Prediction of Negative Impact and the Appropriate Mitigating Measures

Proponent		Negative Impact EIS(1998)		DPWH-PMO		Mitigating Measures
Items		JICA		Reasons		
Social Environment	1	Involuntary Resettlement	—	A	Relocation sites	With sufficient compensation for resident according to JICA guideline if any.
	2	Employment and Livelihood	—	C	Temporary interruption of traffic income for the locals/residents	Inform to the nearby residents in advance on the work schedule including spot information on detour and traffic congestion as needed. Recruitment of local residents may be enhanced as construction crew when feasible.
	3	Land Use and Utilization of Local Resources	—	D	Land use restriction - river side.	No measures required
	4	Social Infrastructure	—	D	Split of a community	No measures required
	5	Existing Social Infrastructures and Services	D	D	Involuntary resettlement	No specific measures required in the project
	6	Poor and indigenous people (IP)	—	D	Construction materials are transported via barge hence no road traffic	No specific measures required in the project
	7	Misdistribution of Benefit and Damage	—	D	Not dependent on resources – fish and drinking water	No specific measures required in the project
	8	Cultural heritage	—	D	No IPs	No specific measures required in the project
	9	Local Conflicts of Interest	—	D	Construction works might prevent people from accessing the parks and rivers.	No specific measures required in the project
	10	Water Usage or Water Rights and Communal Rights	—	C	No cultural heritages and important places	Prepare a list of lost articles to identify owners in advance and to minimize potential conflicts among people who claimed.
	11	Sanitation	—	D	No problem locals are hired ownership.	Enhance recruitment of local residents in cooperation with barangay captain
	12	Hazards (risk) Infectious Diseases such as HIV/AIDS	—	D	No HH that are depending on river water for domestic consumption, irrigation to vegetable gardens, as such.	No specific measures required in the project
Natural Environment	13	Topography and Geographical Features	—	C	Wastes in construction sites are collected and transported to by a barge. Sanitary temporarily toilets	Site rehabilitation of dumpsite shall be ensured before closure to avoid changes of topography.
	14	Soil Erosion	—	C	No new demand to commercial sex workers is anticipated who are potentially HIV positive and spread the disease.	Dredge material may be kept in embankment

26	Noise and Vibration	D	C	Vibration and noises caused by the construction activities add pollutions to surroundings – temporary and localized	Construction noise problems can be minimized by using well-maintained and silenced equipment, operating within existing noise control regulations and limiting work hours near residential areas. Traffic control for both construction vehicles and diverted traffic should minimize impacts across the entire affected area.
27	Ground Subsidence	—	C	No ground subsidence is reported in Phase II.	Undertake geological survey before the construction work to identify vulnerable site of ground subsidence and to change construction site when necessary.
28	Offensive Odor	C	C	Offensive odor is anticipated during dredging of anoxic sedimentation. Such odor is most likely temporary and localizes incident.	Exercise good construction practices to minimize generation of offensive odor by sealing the material with water-proof sheet. Keep toilet facility clean to avoid generation of nuisance odor.
29	Bottom Sediment	—	C	Bottom sediment would be removed from riverbed. The issue is summarized in the 2 nd impact assessment.	Exercise good construction practices in consonance with RA6767.
30	Accidents	—	C	Construction related accident might be anticipated as normal precaution.	Limit work hours near residential areas, render traffic control for both construction vehicles and diverted traffic
	Overall rating	Positive	A	As of February 2011, Relocation of one-hundred sixty-two houses is anticipated according to the circumstance of the construction sites. Most of the impacts identified in this study is either temporary or short-term and, unless otherwise, deemed mitigable through engineering designs, and good construction practices, accompanied by appropriate environmental mitigation measures and management plans.	Inform to the residents on the construction schedule provide orientation to the construction crews.

A: Significant Impact, B: Minor Impacts, C: Uncertain Impacts, D: Insignificant
 - : Not Applicable or Not assessed
 *Assessment of made in EIS(1998) was correlated to JICA's rating system as A, B, and C.

2008
Department of Public Works and Highways

**Pasig-Marikina River Channel Improvement Project
(Phase II)**

- Delpan Bridge up to the immediate vicinity of the Napindan Hydraulic Control Structure (NHCS)

CTI
CTI Engineering International Co., Ltd.

In association with

Woodfield's Consultants, Inc. Basic Technology and Management Corp. Science & Vision For Technology Inc.

**ENVIRONMENTAL COMPLIANCE
CERTIFICATE**

▪ issued to the Pasig-Marikina River Channel Improvement Project on December 14, 1998

- consist of 22 conditions

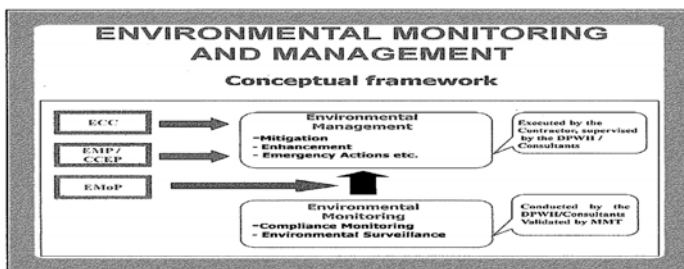
▪ validity of ECC has been confirmed on March 7, 2008

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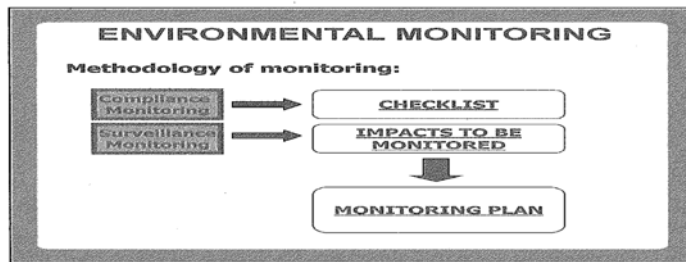
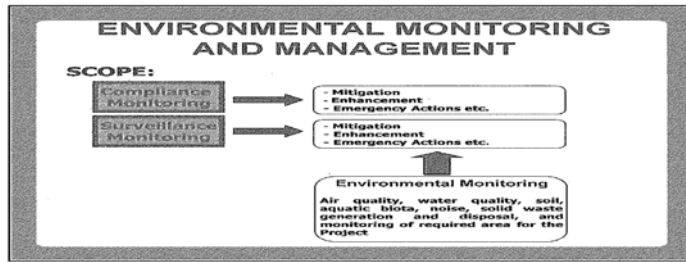
**ENVIRONMENTAL MONITORING
AND MANAGEMENT**

OBJECTIVES:

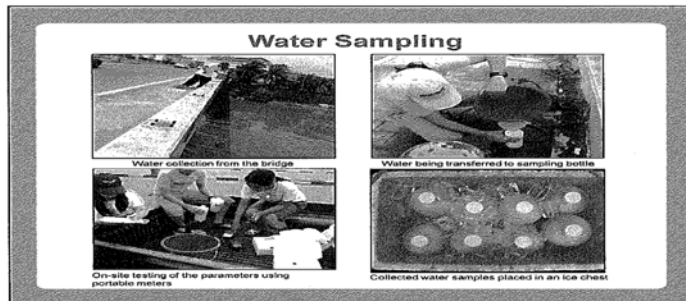
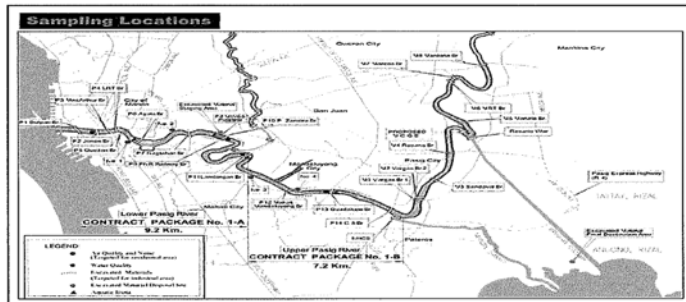
- Compliance with the conditions of the ECC and EMP
- Evaluate the changes of environmental quality and take measures/actions
- Disseminate the environmental monitoring results to community stakeholders



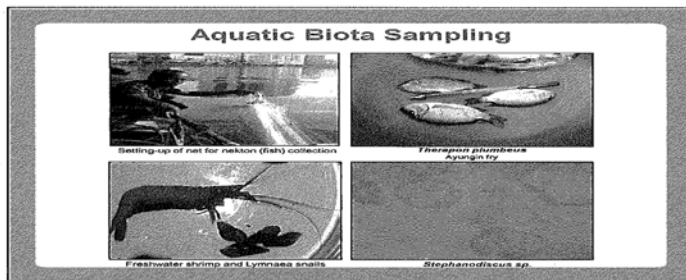
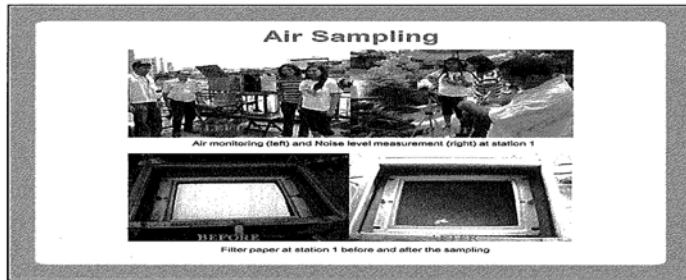
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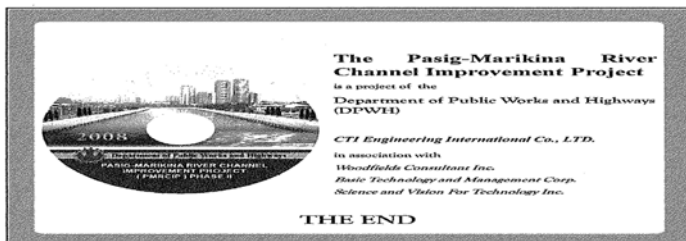
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Suggested Monitoring Plan during Construction Period of Phase III

Monitoring Item	Monitoring Method	Parameter	No. of Sampling/ Location	Monitoring Frequency	Duration	Monitoring Agencies
1. Monitoring of the Required Area for the Project	Field investigation (re-validation) including interview survey	- No. of location of Informal settler Families (ISFs) in project-affected areas - Eligibility and other features/conditions of ISFs	-All project-required areas	- Quarterly	- Design Review/ Pre-Construction Stage	-The Consultant/ DPWH
2. Noise	Consolidation of information from inter-Agency Committee (IAC) Measured by noise level method	-Progress of measure (actions) for relocation of ISFs - Decibels (dB)	-All project-required areas	- Quarterly	- Design Review/ Pre-Construction Stage	-The Consultant/ DPWH
3. Air Quality	High volume sampling method	- SO ₂ , NO _x , TSP (24 hours)	- 4 points (Phase II) - 4 points (Phase III) - 4 points (Phase III)	- Quarterly	- Pre-Construction/ Construction Stage	-The Consultant/ DPWH
4. Disposal/utilization of excavated materials, dredged materials, and construction waste	Field inspection and observation Groundwater sampling as necessary	-Volume of excavated materials and construction waste -Cd, Cr, Pb, Hg, As, CN, (Cu, Zn, PCB, groundwater quality std as necessary)	- entire stretch -Each batch to be sent to a disposal site	- Semi-Annually -Intensive sampling for the first dredging work	- Construction Stage	-The Consultant/ DPWH
5. River Water Quality Monitoring (Complete)	Sampling, laboratory test and analysis	- pH, Temperature, EC, Turbidity, DO, True Color, Nitrate as Nitrogen, Phosphate as Phosphorous, TDS, TSS, Conductivity, Salinity, Chloride, Oil & Grease, Cr ⁶⁺ , Cu, Pb, Total Hg, Cd, Total Coliform, Surfactants, Phenolic Substances, Cyanide, Arsenic, Organophosphates, BOD	- 4 points (Phase II) - 4 points (Phase III)	- Semi-Annually -Intensive sampling for the first dredging work	- Pre-Construction/ Construction Stage	-The Consultant/ DPWH
6. River Water Quality Monitoring	Sampling, laboratory test and analysis	- BOD, TSS	- 4 points (Phase II) - 4 points (Phase III)	- Bimonthly	- Pre-Construction/ Construction Stage	-The Consultant/ DPWH
7. Excavated and dredged Materials Monitoring	Sampling, laboratory test and analysis	- Total Mercury, Cadmium, Lead, Hexavalent Chromium, Copper, Arsenic, Cyanide, Zinc, Organophosphates, PCB's, Formaldehyde	- 4 points (Phase II) - Each batch to be sent to a disposal site	- One time intensive sampling at before commencement - Before transporting to the disposal site(s)	- Pre-Construction Stage	-The Consultant/ DPWH
8. Aquatic biota	Identify species, number of species and abundance / density of species per station.	- Density and diversity of phytoplankton and zooplankton - Density and diversity of macrobenthic organisms. - Nekton (fish) - Aquatic flora	- 4 points (Phase II) - 4 points (Phase III)	- once before construction, once during construction and once after construction	- Pre-Construction/ Construction Stage/ Post Construction	-The Consultant/ DPWH

