



Republic of the Philippines
Department of Public Works and Highways
Manila

PASIG RIVER FORUM

***Pasig-Marikina River Channel Improvement
Project (PMRCIP)***

24 April 2012

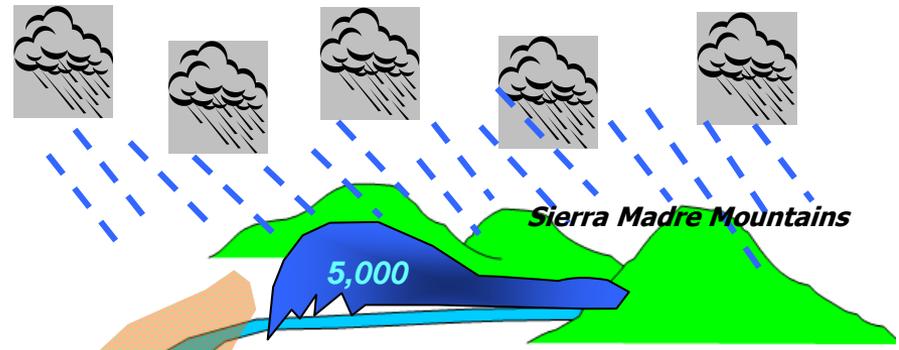
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Flood in Pasig-Marikina-Laguna Lake Basin by "Ondoy"

(Unit: m³/s)

Marikina River water level rapidly rose 4.6 m in 6 hours at Marikina Bridge on September 26, 2009 due to approximately 400 mm rainfall in 6 hours.

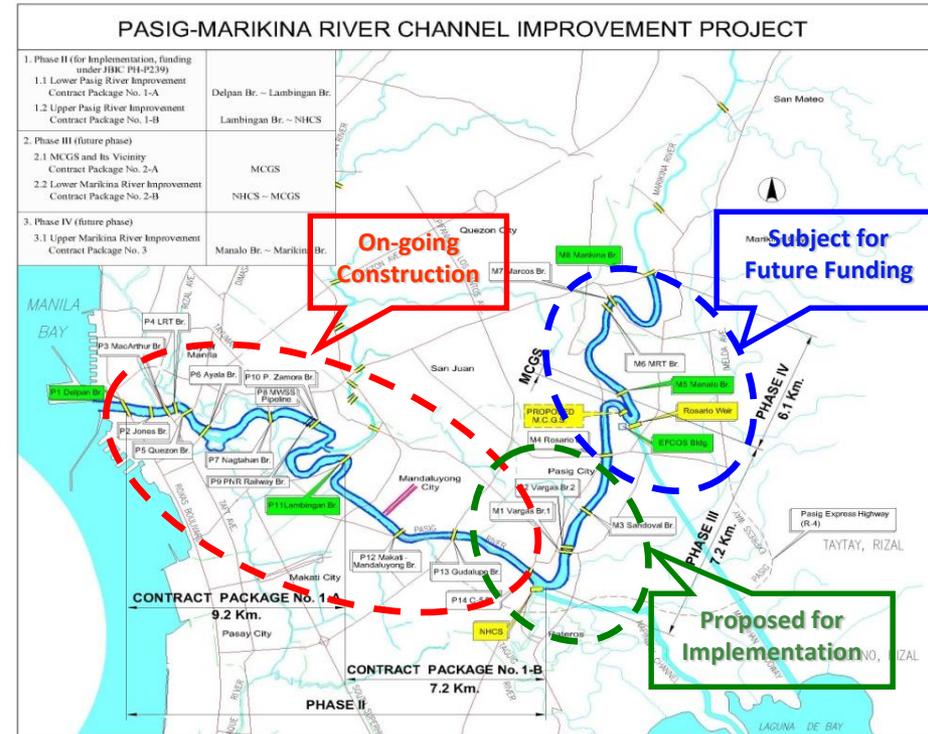
Also, Laguna Lake water level rose from Elev. 12.90 m at 9:00 AM on September 26, 2009 to Elev. 13.84 m in 24 hours.



Inflow:
7,000m³/s

Overall Pasig-Marikina River Channel Improvement Project

- Phase I** - Detailed Design for the entire project (Delpan Bridge to Marikina Bridge) (Completed)
- Phase II** - Channel Improvement Works for Pasig River (Delpan Bridge to Napindan Channel) (On-going Project)
- Phase III** - Channel Improvement Works for Lower Marikina River including the Remaining Portions in Pasig River (Delpan Bridge to the immediate vicinity of Mangahan Floodway) (Proposed Project)
- Phase IV** - Channel Improvement Works for Upper Marikina River including the Marikina Control Gate Structure (MCGS) (Mangahan Floodway to Marikina Bridge) (Future Project)



Phase II (Pasig River Channel Improvement)

- Covers 13.1 km (both banks) of revetments, parapet walls and excavation from Delpan Bridge to the immediate vicinity of Napindan Hydraulic Control Structure (NHCS)
- Under Japan International Cooperation Agency-Special Term for Economic Partnership (JICA-STEP) Loan No. PH-P239
- Accomplishment: 95.12% as of 16 Apr 2012
- Start & Completion: July 2009 & June 2012



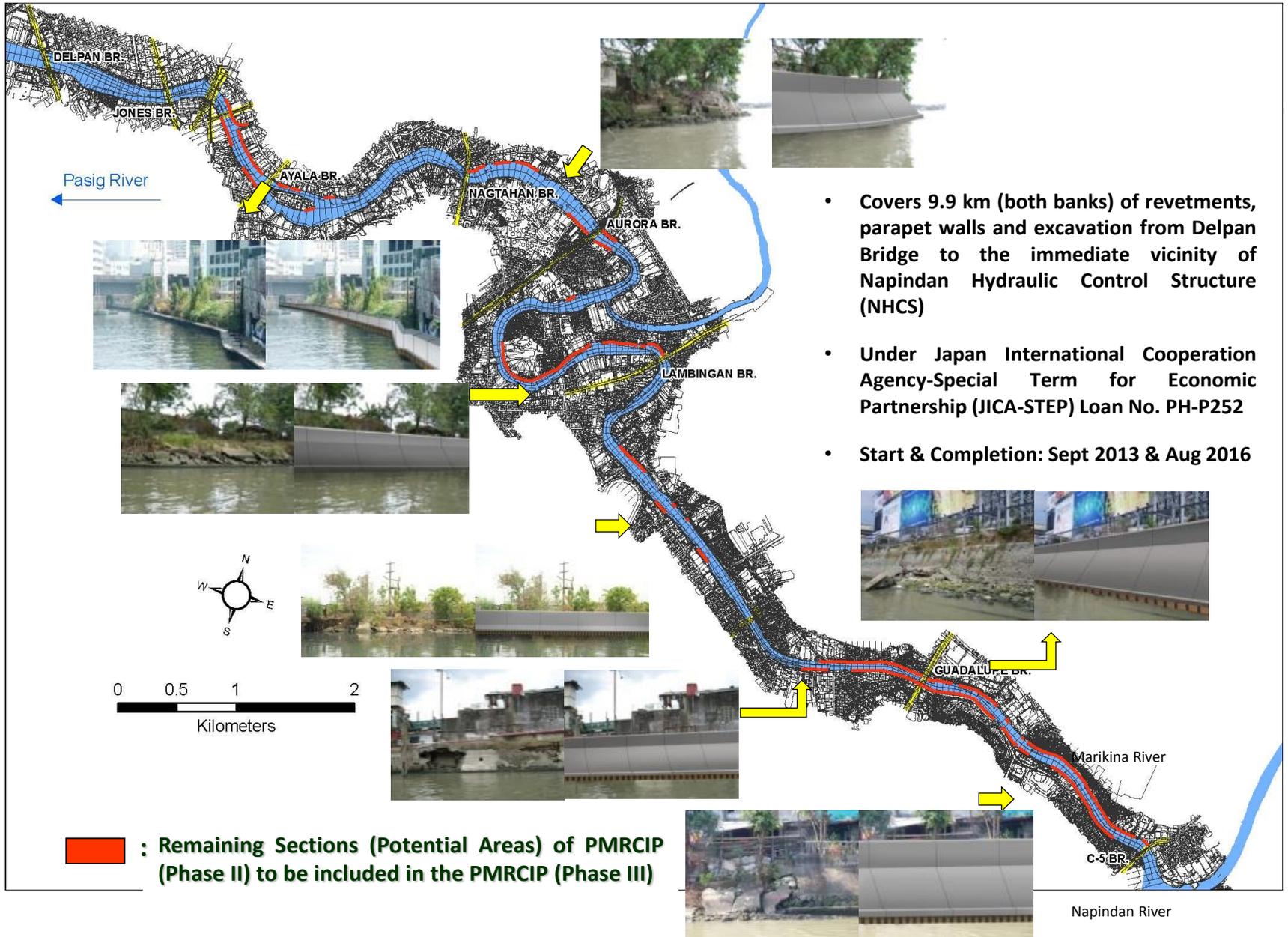
Non-Structural Components

Implementation of Information Campaign and Publicity (ICP) Activities:

- Project Launching in the 4 LGUs (Barangays and Schools)
- Project Promotion via TV and Radio Guestings
- Setting up of Information Center
- Photo Exhibits and Film Showing
- Participation in Various Environmental Awareness Activities

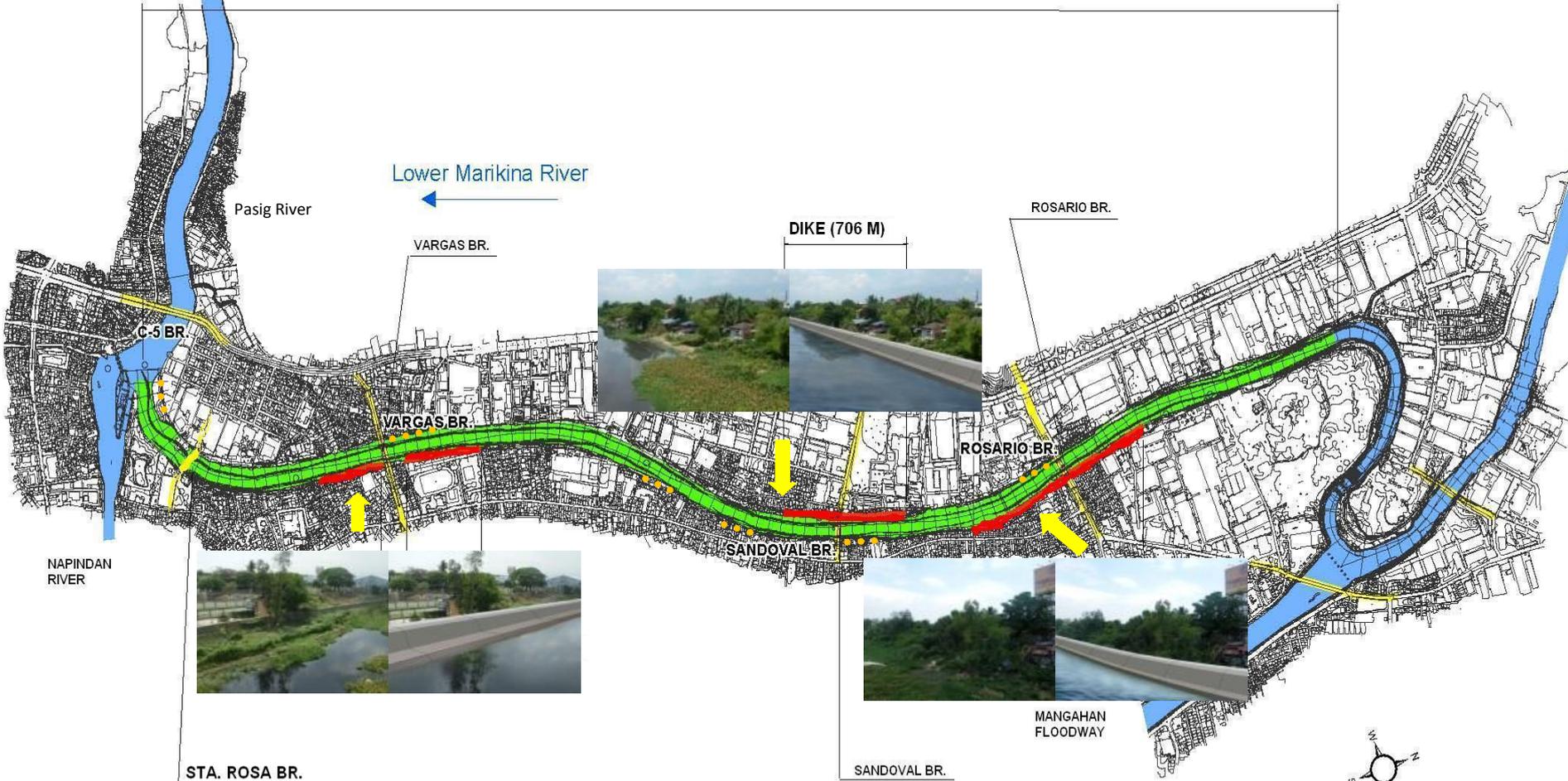


Phase III (Pasig River Channel Improvement)



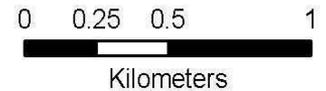
Phase III (Lower Marikina River Channel Improvement)

DREDGING EXCAVATION (5.4 KM)

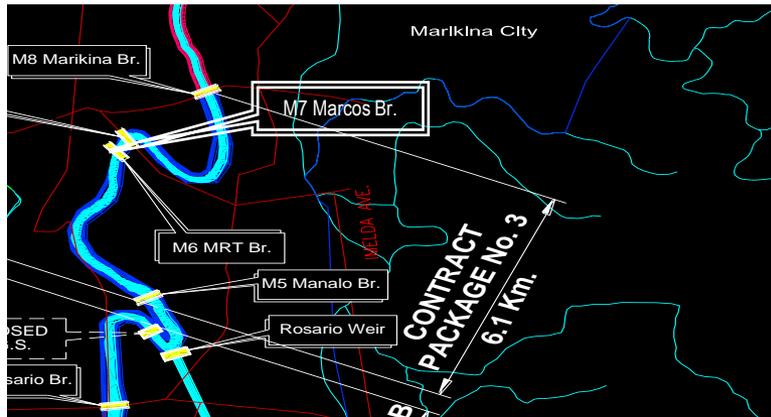


 : Dredging Works/Activities (5.40 km = 612,000 m³)

 : Dike/Parapet Wall Construction (4 sites = 2.15 km in total)



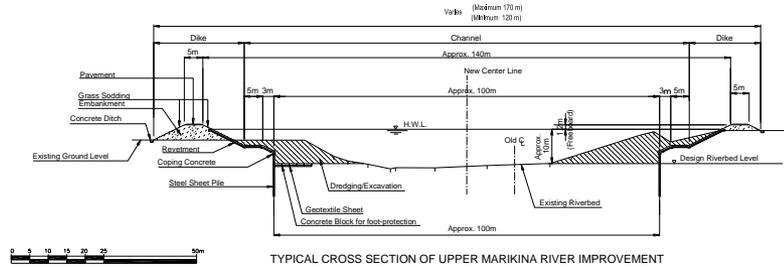
Phase IV (Upper Marikina River Channel Improvement and Marikina Control Gate Structure)



Upper Marikina River Channel Improvement



Marikina Control Gate Structure (MCGS)



- Dredging/Excavation of Riverbed
- Earth Dike
- Concrete River Wall
- Boundary Bank

- To be implemented at a later period subject to a separate funding request

End of Presentation