



Republic of the Philippines  
Department of Public Works and Highways

# URBAN ROAD PROJECTS OFFICE

## Metro Manila Infrastructure Development

**CARLOS G. MUTUC**  
Project Director



# URBAN ROAD PROJECTS OFFICE

**URPO is a special project office responsible for the formulation and development of all projects in urban areas, particularly in Metro Manila, financed by JBIC, WB and ADB. It also implements highly complex projects financed by GOP.**

**URPO's main task is to ensure a more effective and expedient implementation of projects geared towards completion of the Metro Manila Major Road Network System.**



# URBAN ROAD PROJECTS OFFICE

## STRATEGY

- address critical bottlenecks and alleviate traffic congestion in Metro Manila.

## GOALS

- complete the MM road network system
- construct interchanges at major intersections
- construct secondary roads to complement the MM Road Network
- rehabilitate primary/secondary roads
- establish a valid urban transport policy in line with MMUTIS





# URBAN ROAD PROJECTS OFFICE

## SPECIFIC OBJECTIVES

- **construct interchanges at major intersections along EDSA, C-5, C-3 and C-2**
- **carry out corridor improvement measures through road rehabilitation**
- **introduce traffic management measures and transport facilities to sustain and support the economic growth in MM**
- **complete missing links of MM Road Network system**
- **develop infra access to major sea/air terminals**
- **improve existing bridges along major rivers to increase traffic capacity**



# URBAN ROAD PROJECTS OFFICE

## VISIONS FOR METRO MANILA

- faster travel time
- lesser traffic congestion
- reduce direct financial cost of construction, operation and maintenance
- promote environmental balance
- improve users' comfort and convenience



# METRO MANILA MAJOR ROAD NETWORK

## CIRCUMFERENTIAL ROADS



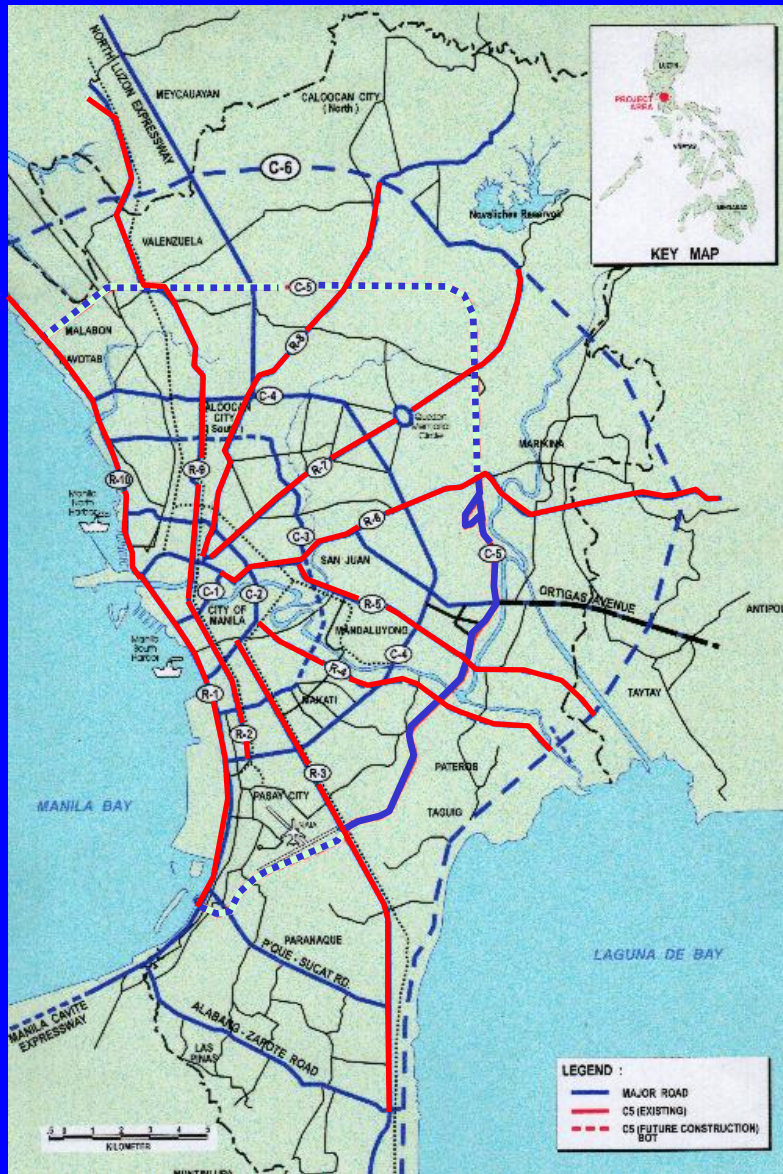
- C-1 :** P. Burgos St. (Roxas Blvd. to Taft Ave.)  
Ayala Blvd. ((Taft Ave. to Echague St.)  
P. Casal Street Ave. (Echague Street to Legarda St.)  
C.M. Recto Ave. (Legarda St. to R-10 Road)
- C-2 :** Pres. Quirino Ave. (Roxas Blvd. to Mendoza-Guanzon St.)  
Nagtahan (Mendoza-Guanzon St. to Legarda St.)  
A. Mendoza St. (Legarda St. to Dimasalang St.)  
Tayuman St. (Dimasalang St. to R-10 Road)
- C-3 :** Sen. G. Puyat Ave. (Roxas Blvd. to Ayala Ave.)  
San Juan Bridge (N. Domingo St. to Aurora Blvd.)  
G. Araneta Ave. (Aurora Blvd. to Sgt. Rivera St.)  
Sgt. Rivera Ave. (G. Araneta Ave. to A. Bonifacio Ave.)  
C-3 Road (R-10 Road to A. Bonifacio Ave.)
- C-4 :** EDSA (Taft Ave. to McArthur Highway)  
Samson Road (McArthur Highway to A. Mabini Ave.)  
Letre Road (A. Mabini Ave. to Sansiangco St.)
- C-5 :** South Superhighway to Katipunan Avenue  
Katipunan Avenue to Letre Road
- C-6 :** Alignment under Study





# METRO MANILA MAJOR ROAD NETWORK

## RADIAL ROADS



- R-1** : Roxas Boulevard (Del Pan Bridge to Seaside Road to Bacoor, Cavite)
- R-2** : Taft Avenue (Lawton to Baclaran)
- R-3** : Manila South Expressway (Pres. Quirino Ave. to Zapote-Alabang Road)
- R-4** : Pasig Line (Pedro Gil Street to A. Francisco Street) Kalayaan Ave. (A. Bonifacio St. to Bel-Air Subd.) Kalayaan Ave. (EDSA to C-5)
- R-5** : V. Mapa St. (R. Magsaysay Blvd. to Valenzuela St.) P. Sanchez (Valenzuela St. to Gen. Kalentong St.) Shaw Blvd. (Gen. Kalentong St. to Capt. Javier St.) Pasig Blvd. (Capt. Javier St. to Dr. Sixto Antonio Ave.)
- R-6** : Legarda St. (C.M. Recto Ave. to Nagtahan) R. Magsaysay Blvd. (Nagtahan to V. Mapa St.) Aurora Blvd. (V. Mapa St. to marcos Highway) A. Bonifacio H-way/Sumulong H-way (Marcos H-way to Marikina Bdy.)
- R-7** : Lerma Street (Quiapo to Morayta Street) España Avenue (Morayta St. to E. Rodriguez Ave.) Quezon Ave. (E. Rodriguez Ave. to Elliptical Road) D.M. Marcos Ave. (Elliptical Road to Fairview Ave.)
- R-8** : Quezon Blvd. (Quiapo to Dapitan St.) A. Mendoza Ave. (Dapitan St. to Laong Laan St.) Dimasalang St. (Laong Laan St. to Retiro St.) A. Bonifacio Ave. (Retiro St. to EDSA) Quirino Ave. (EDSA to Quezon City Limit)
- R-9** : J. Abad Santos Ave. (C.M. Recto Ave. to Aurora Blvd.) Rizal Ave. Ext. (Aurora Blvd. to EDSA) McArthur Highway (EDSA to Baclaran Boundary)
- R-10** : Del Pan Bridge to Spine Road



Metro Manila Infrastructure Development

# Interchange Projects





# **C-5/B. Serrano Ave.-Katipunan Ave. Interchange**



## **Implementation Schedule**

**Start Date** : Mar. 2002

**Completion Date** : Jan. 2005





# EDSA/North Avenue-West Avenue-Mindanao Avenue Interchange



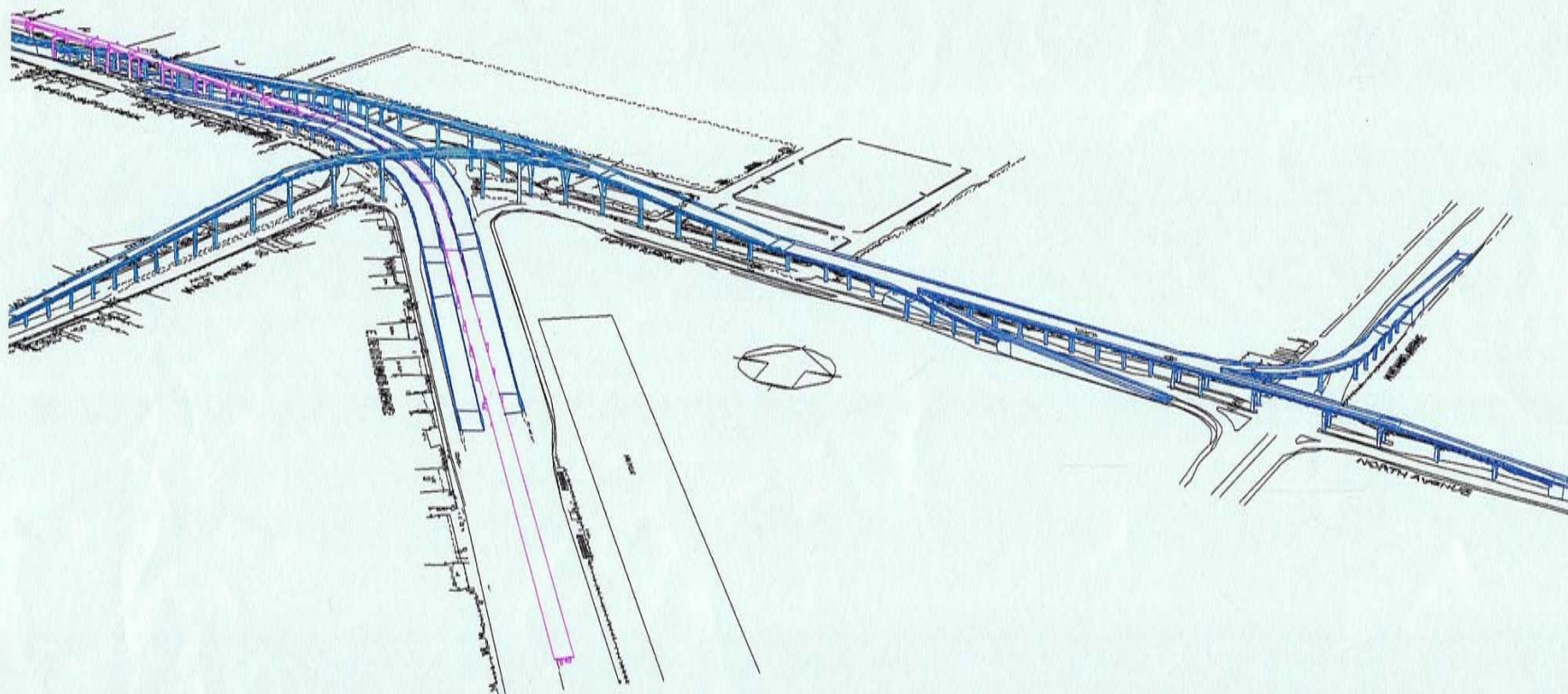
## Implementation Schedule (Tentative)

**Start Date : 2006**

**Completion Date : 2008**



# EDSA/North Avenue-West Avenue-Mindanao Avenue Interchange







# EDSA/Roosevelt Avenue Interchange



## Implementation Schedule (Tentative)

**Start Date**

**: 2006**

**Completion Date**

**: 2008**

PERSPECTIVE OF  
EDSA/ROOSEVELT AVENUE  
INTERCHANGE



# **C-5/R-4 (Kalayaan Avenue) Interchange**



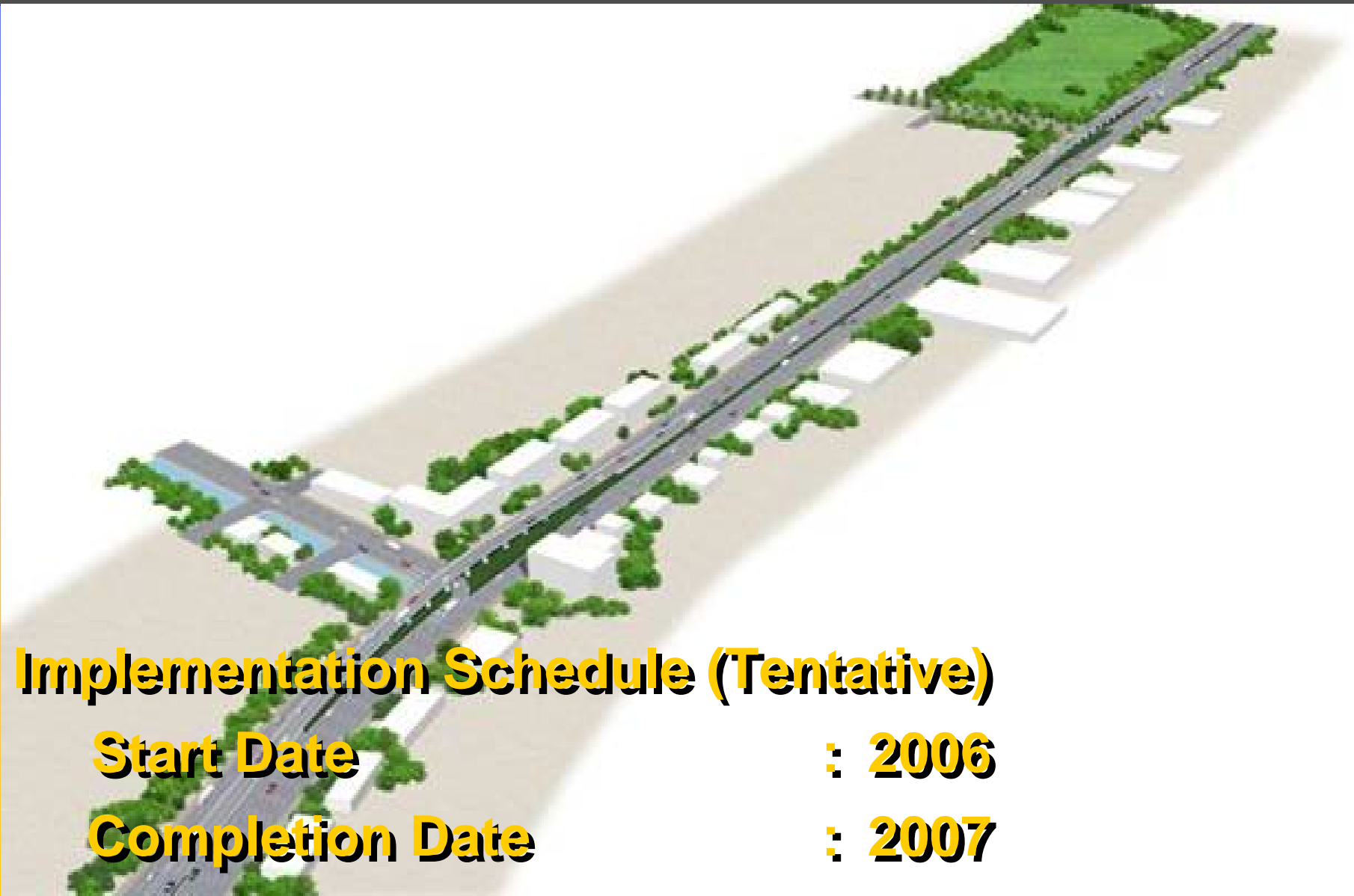
## **Implementation Schedule (Tentative)**

**Start Date : 2006**

**Completion Date : 2007**



# C-5/Lanuza Street-J. Vargas Avenue Interchange



## Implementation Schedule (Tentative)

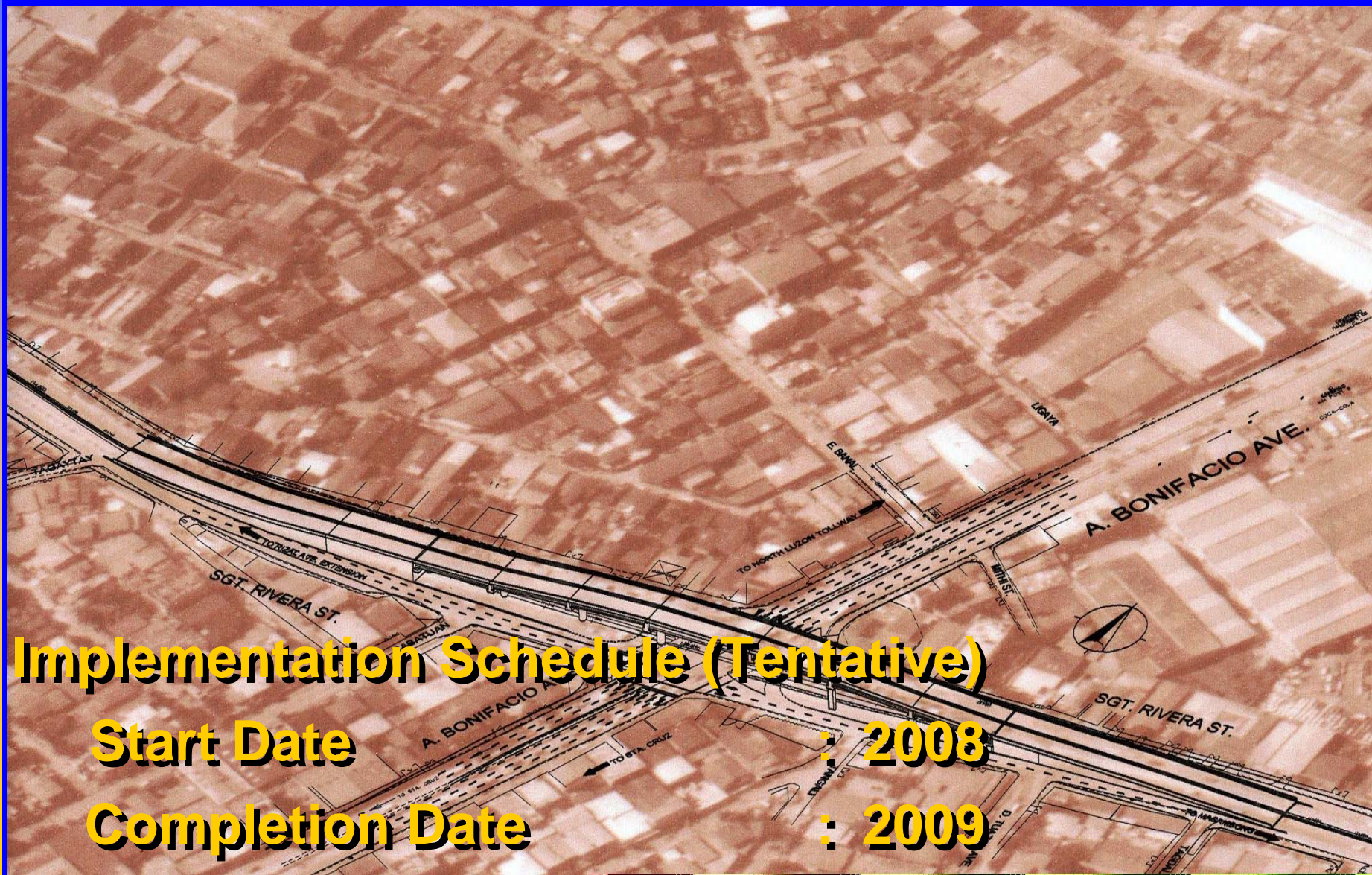
**Start Date** : **2006**

**Completion Date** : **2007**





# C-3 (Sgt. Rivera St.)/A. Bonifacio Avenue Interchange

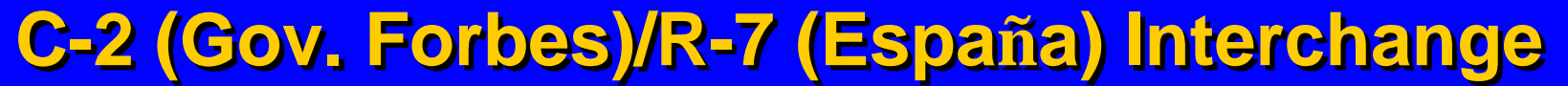


**Implementation Schedule (Tentative)**

**Start Date : 2008**

**Completion Date : 2009**









# C-3 (G. Araneta Avenue)/R-7 (Quezon Avenue) Interchange



## Implementation Schedule (Tentative)

**Start Date : 2007**

**Completion Date : 2008**





# C-3 (G. Araneta Avenue)/E. Rodriguez, Sr. Avenue Interchange



**Implementation Schedule (Tentative)**

**Start Date : 2007**

**Completion Date : 2008**



# Metro Manila Infrastructure Development

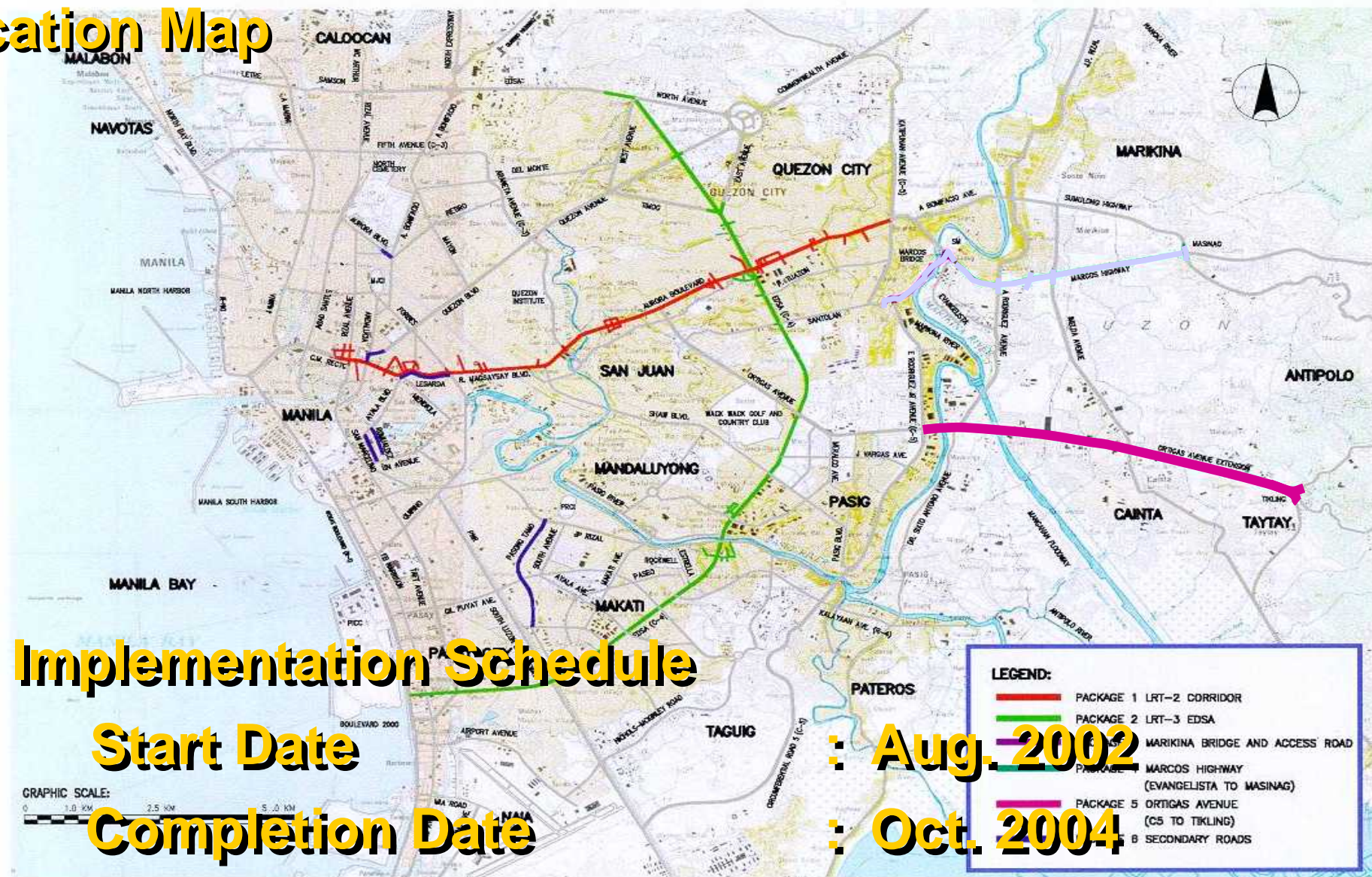
## Bridge, Road & Sidewalk Improvement Projects





# Ortigas Avenue Extension

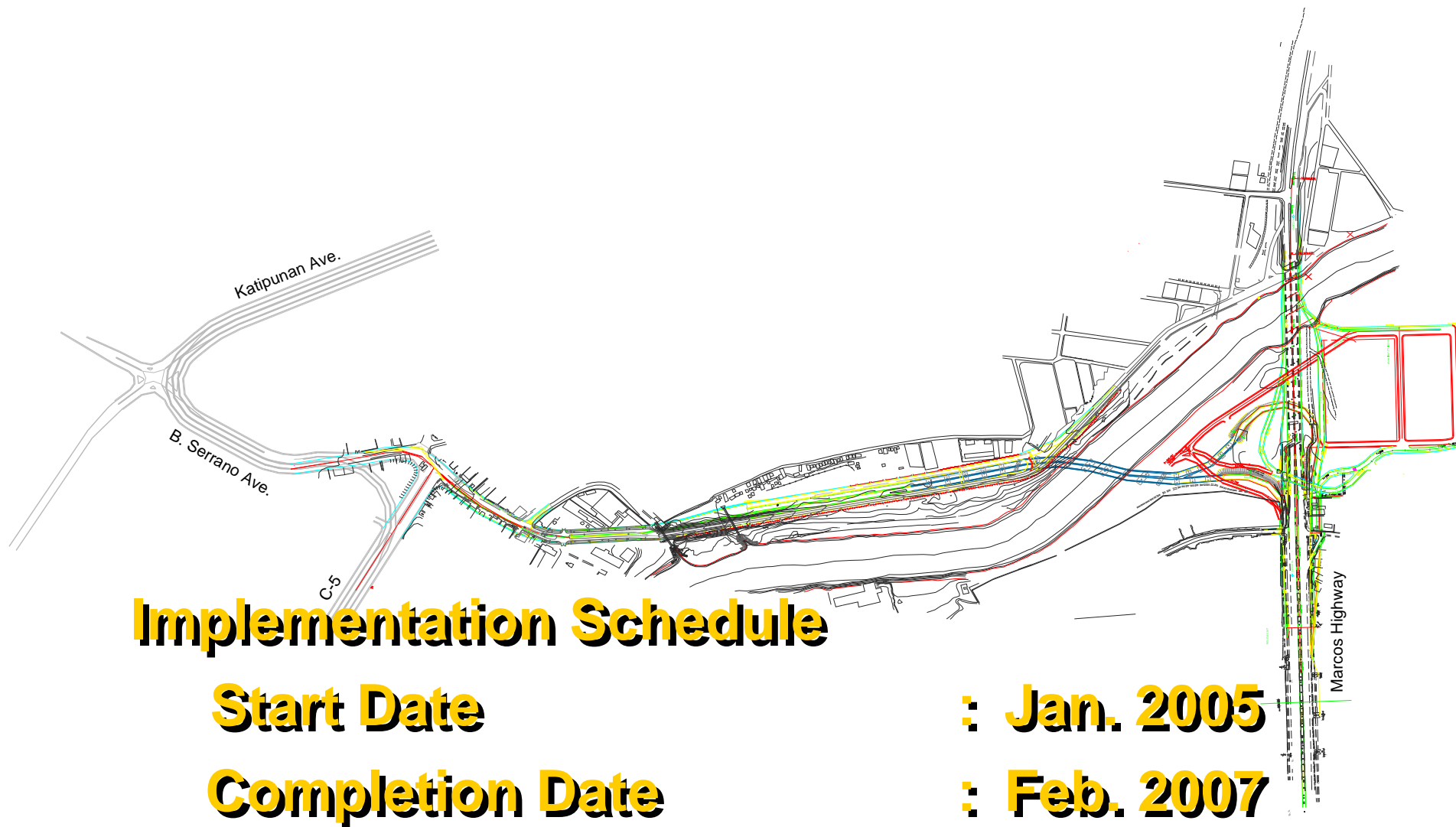
## Location Map







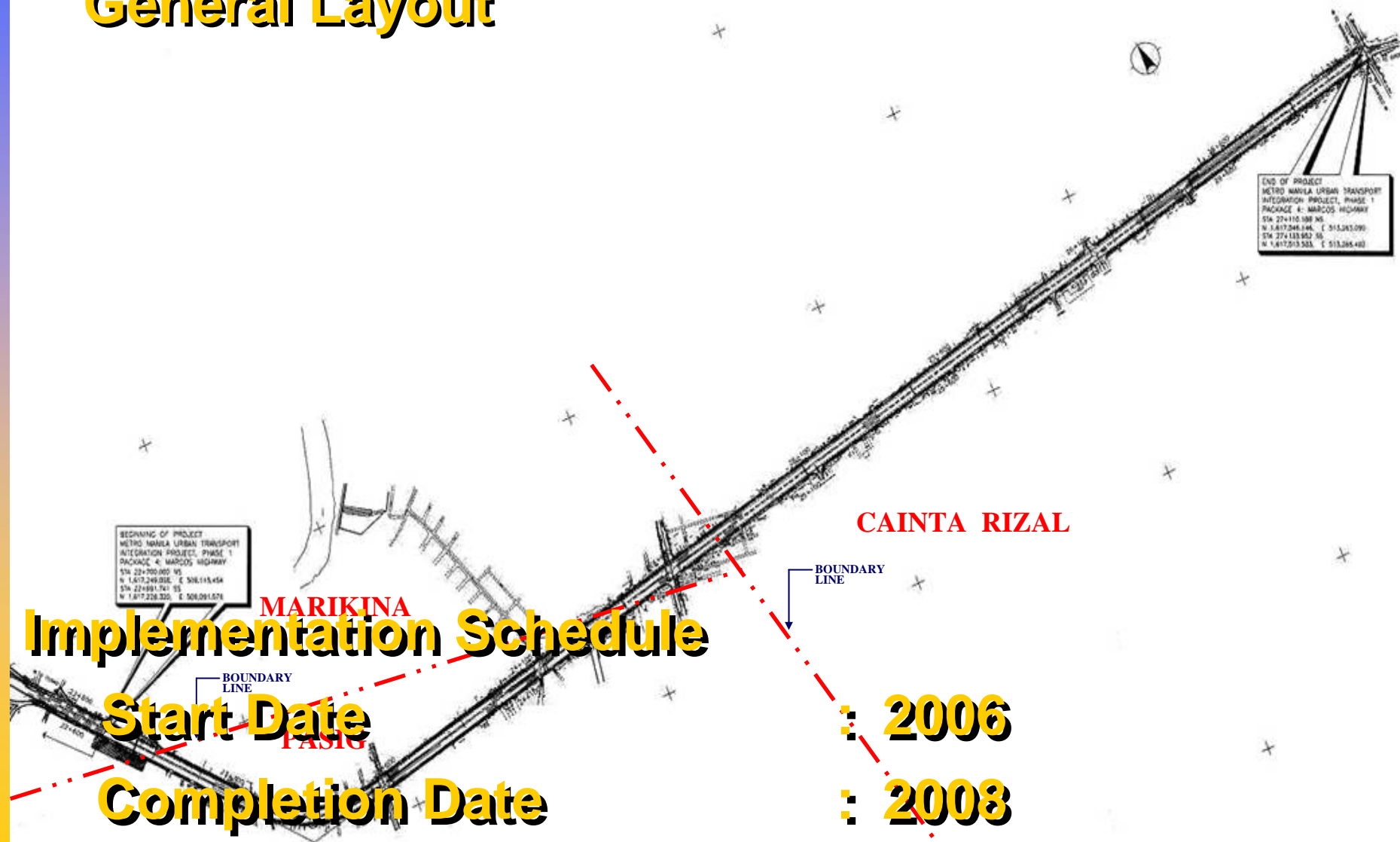
# Marikina Bridge and Access Road





# Marcos Highway

## General Layout





# Metro Manila Urban Transport Integration Project, Phase II

DETAILED ENGINEERING FOR THE METRO MANILA  
URBAN TRANSPORT INTEGRATION PROJECT, PHASE II



## DPWH Component

- QUIRINO HIGHWAY
- 10TH AVENUE
- J. FAJARDO STREET
- TAYUMAN STREET
- M. DELAFUENTE STREET
- PEDRO GIL / NEW PANADEROS
- PASONG TAMO
- SOUTH SUPERHIGHWAY SERVICE ROADS

## MMDA Component

- GIL PUYAT AVENUE
- A. ARNAIZ AVE. (Pasay Road)
- BANAUE AVENUE
- BICUTAN INTERCHANGE
- ALABANG INTERCHANGE

## PROJECT DESCRIPTION:

- a. Road surface/drainage/ intersection improvement
- b. Pedestrian facilities/barriers along sidewalks
- c. Removal of on-street parking and advertising ads/signs structures along sidewalk
- d. Provision of lane markings
- e. Restoration of sidewalks
- f. Installation of road/traffic signs
- g. Passenger waiting
- h. Lighting on sidewalk
- i. Landscaping/tree planting

Note: Detailed Design completed on Feb. 16, 2004.

## Implementation Schedule

Start Date

Completion Date

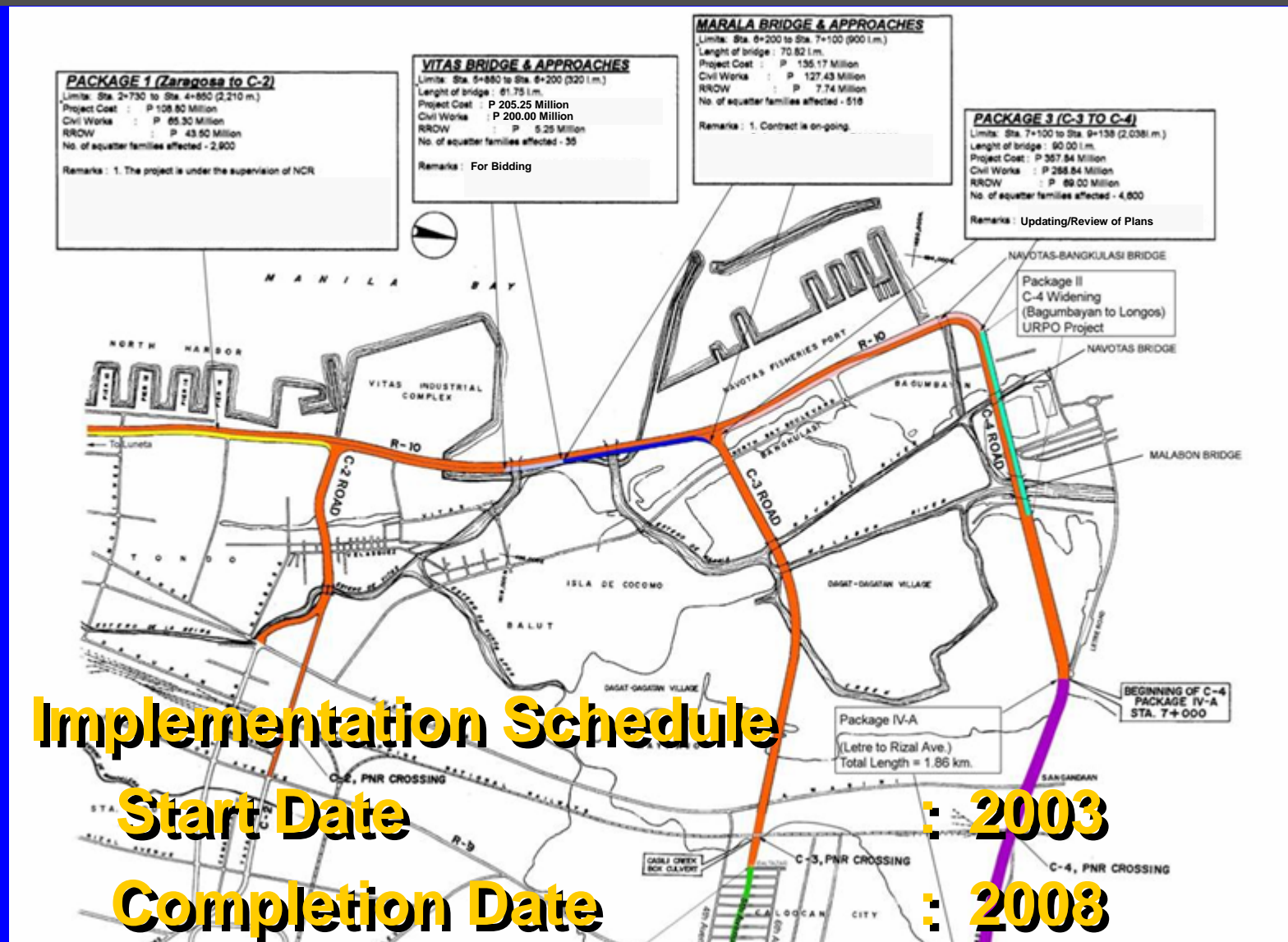
2006

2008



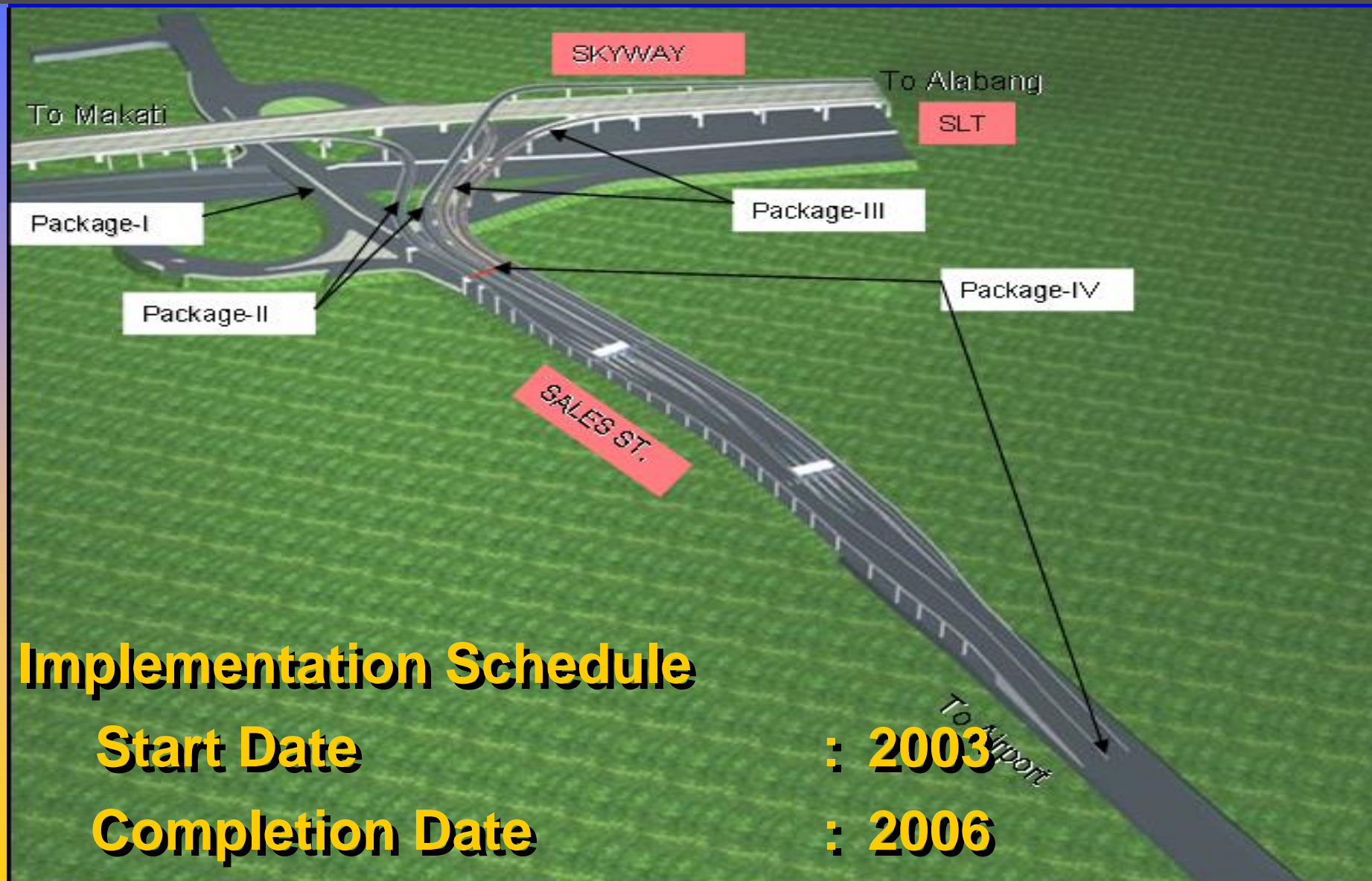


# Radial Road 10 Improvement





# NAIA Expressway & its Related Roads Project, Contract Packages I, II, III & IV-A



## Implementation Schedule

**Start Date** : **2003**

**Completion Date** : **2006**



# Build-Operate-Transfer (BOT) Projects





# BOT PROJECTS



## *Manila-Cavite Toll Expressway*

- R-1 expressway Extension (Zapote to Noveleta), dual two-lane

Length : 11.24 Km.

Cost : 2,352.00 Million

Implementation

Schedule : 2004 - 2009

- C-5 Link Expressway (R-1 to South Luzon Expressway), dual three-lane

Length : 7.51 Km.

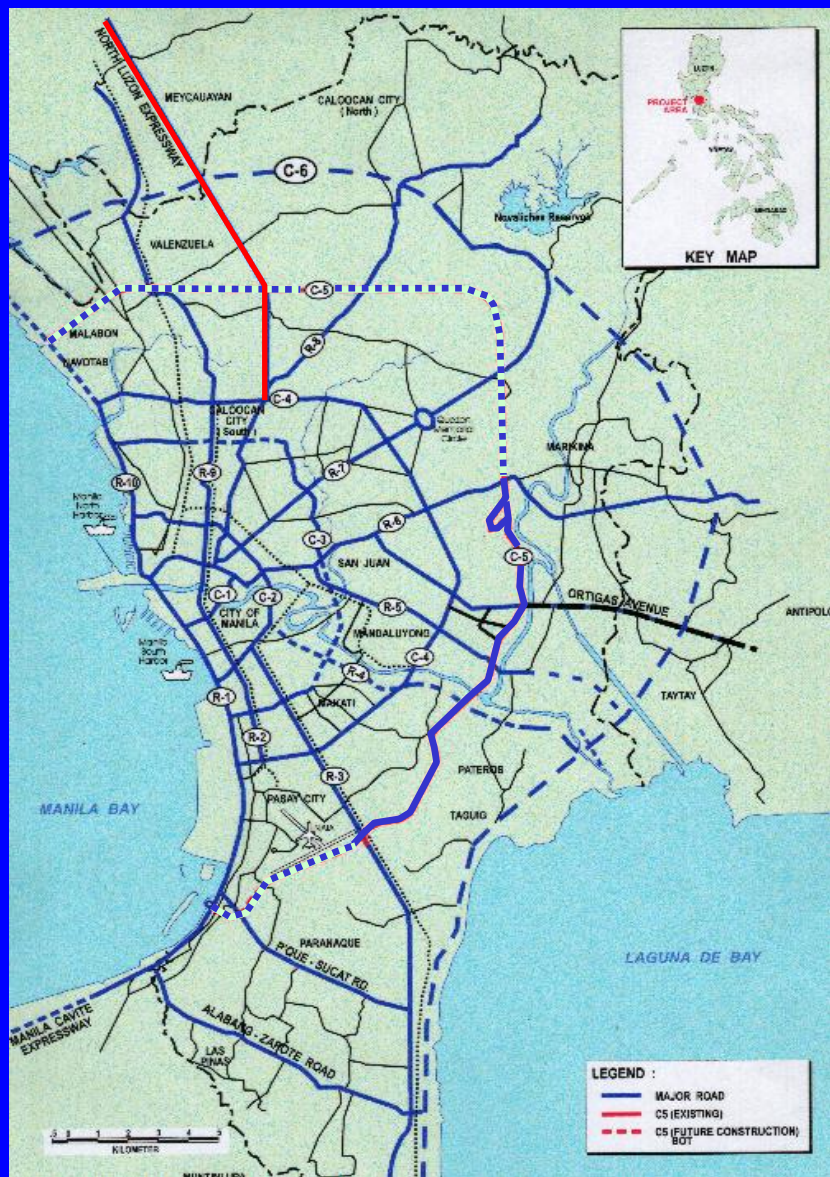
Cost : 2,223.00 Million

Implementation

Schedule : 2007 - 2009



# BOT PROJECTS



## *North Luzon Tollways Project*

- Phase 1 : Extended, Rehabilitated and Widened NLE

Length : 82.62 Km.

Cost : 7,412.00 Million

Implementation

Schedule : 2003 - 2006





# BOT PROJECTS



## *Ninoy Aquino International Airport (NAIA) Expressway*

- Phase II : NAIA Terminal III to Roxas Boulevard

Length : 4.90 Km.

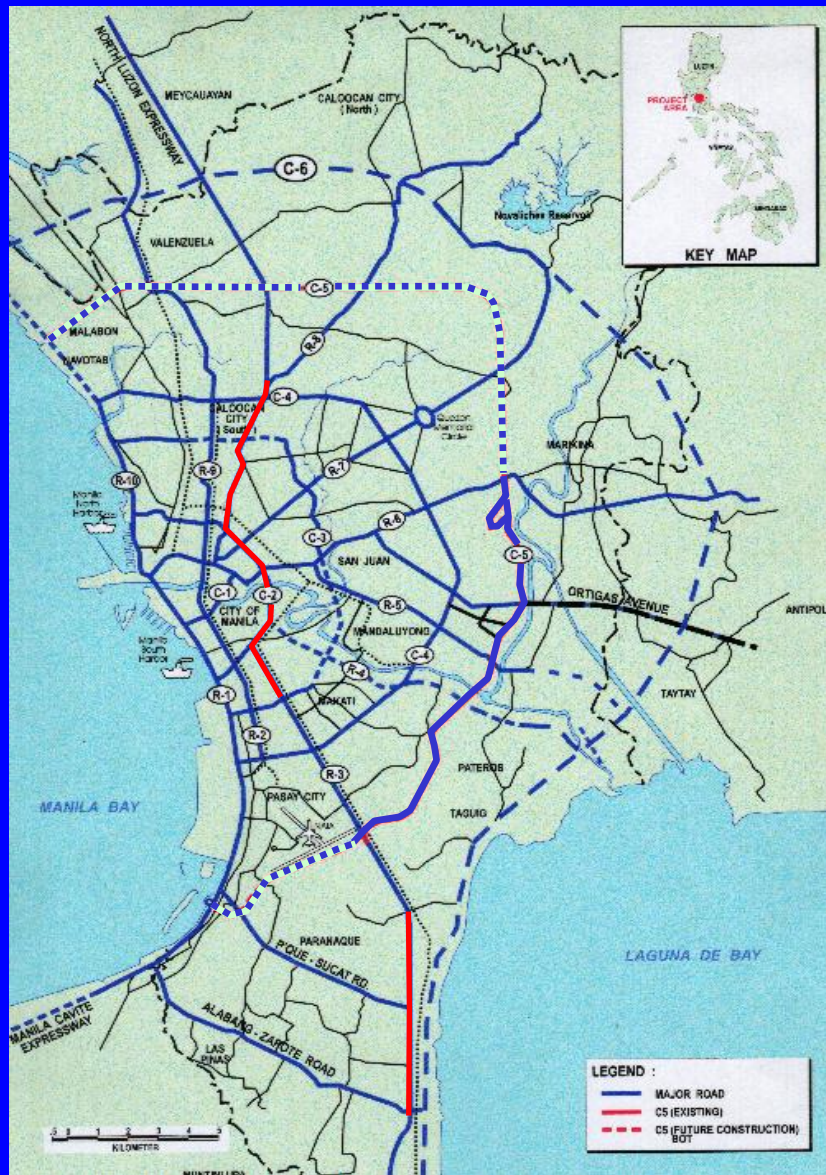
Cost : 5,411.70 Million

Implementation

Schedule : 2007 - 2010



# BOT PROJECTS



## *Metro Manila Skyway*

- Stage 2 : Continuation of Stage 1 from Bicutan to Alabang

Length : 6.88 Km.  
Cost : 8,000.00 Million  
Implementation Schedule : 2005 - 2007

- Stage 3 : Elevated Expressway from Buendia to NLE Balintawak

Length : 17.50 Km.  
Cost : 24,000.00 Million  
Implementation Schedule : 2007 - 2012





- Construction of an expressway link from C-5 to Ortigas Avenue Extension/Marcos Highway

Length : 15.22 Km.

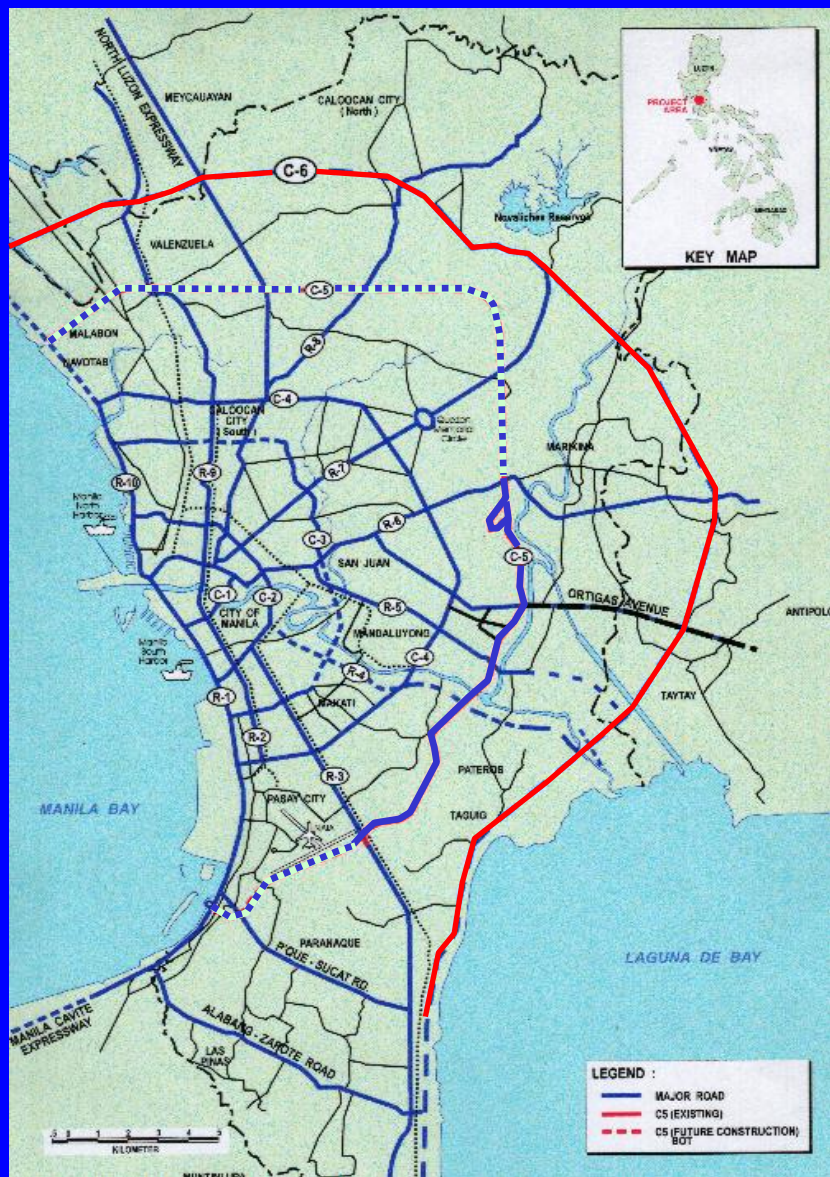
Cost : 19,005.00 Million

## Implementation

Schedule : 2008 - 2011



# BOT PROJECTS



## *Circumferential Road 6 (C-6) Tollway Project*

➤ Metro Manila Tollway (MMT)

Length : 59.50 Km.

Cost : 38,866.00 Million

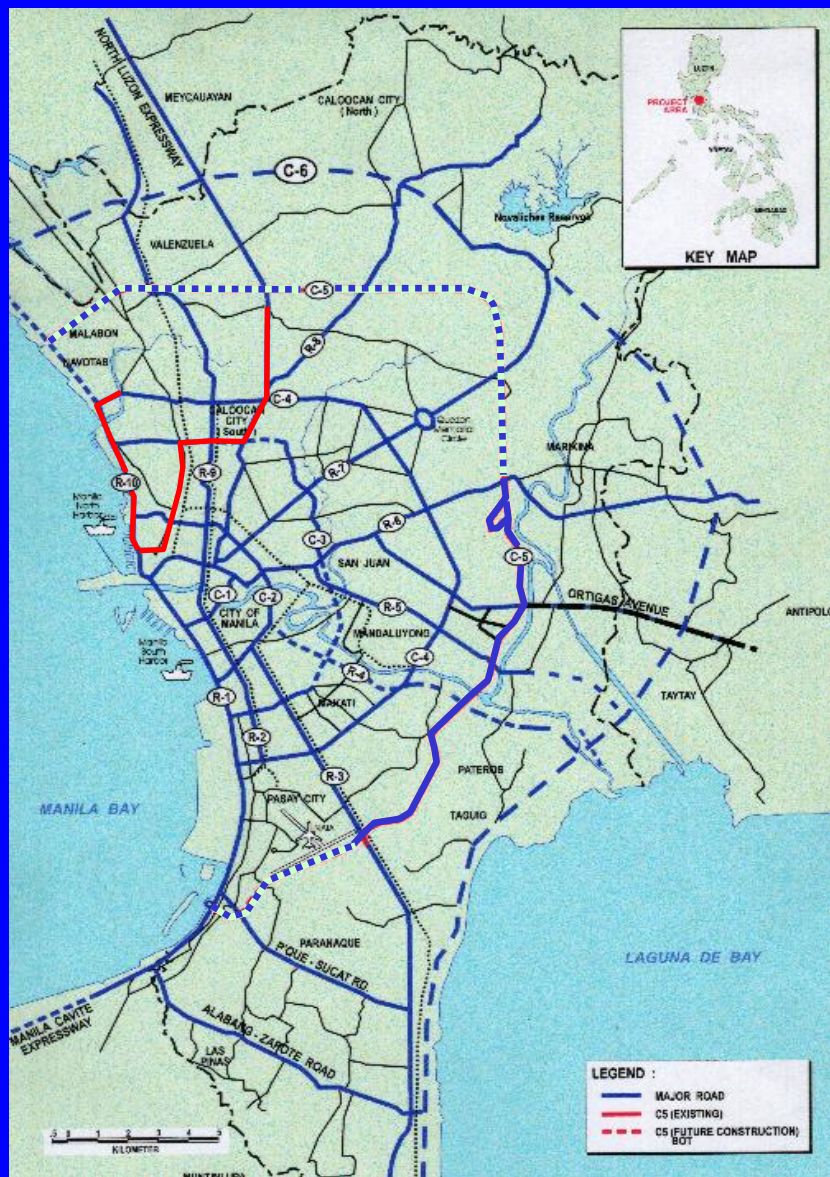
Implementation

Schedule : 2008 - 2011





# BOT PROJECTS



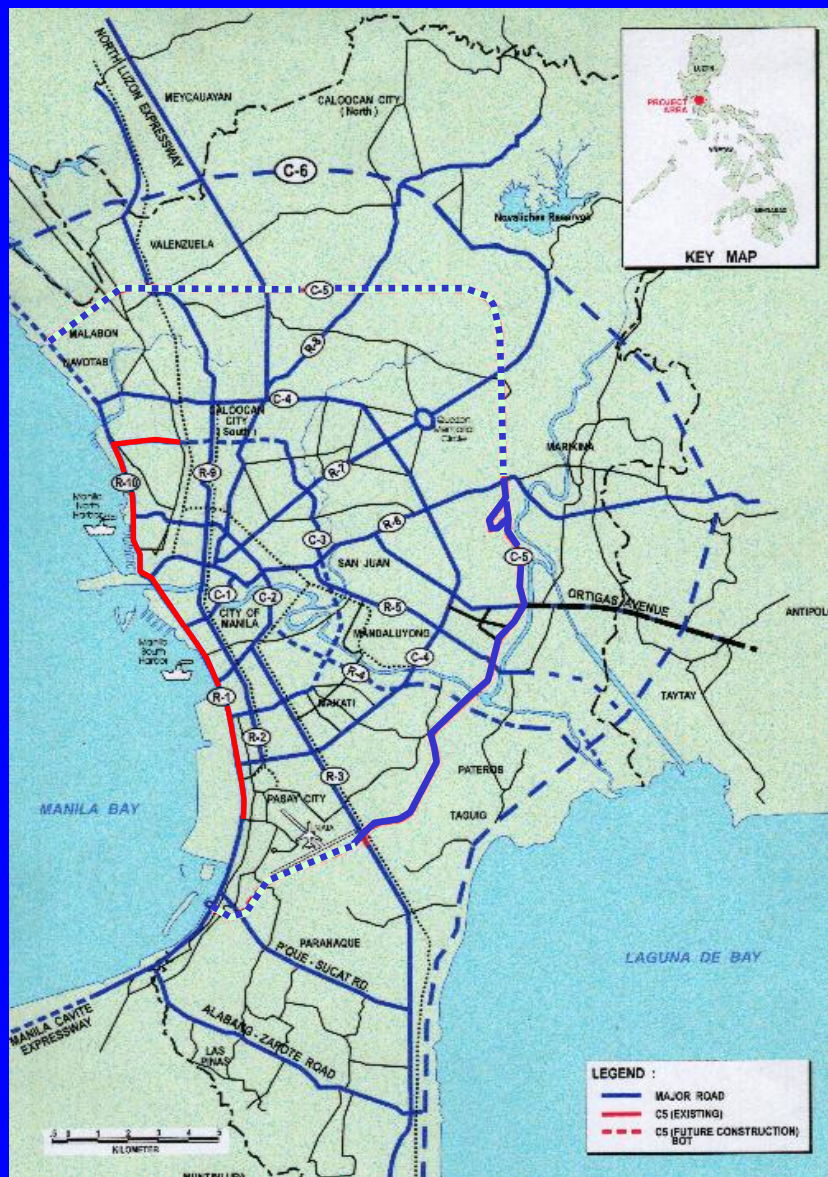
## *R-10 / C-3 Expressway*

- R-10 route & C-3/R-9 route

Length : 9.53 & 6.53 Km.  
Cost : 14,737.00 Million  
Implementation Schedule : 2008 - 2011



# BOT PROJECTS



## *Manila Bay Expressway Project*

- Phase I : from P. Burgos St. to North Harbor

Length : 7.00 Km.

Cost : 10,755.00 Million

Implementation

Schedule : 2007 - 2009

- Phase II : from MIA Road to P. Burgos St. along Roxas Blvd. (R-1)

Length : 8.04 Km.

Cost : 13,860.00 Million

Implementation

Schedule : 2008 - 2013





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**End of Presentation**  
**Thank You and Good Day!**