

## THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT

(CALA East-West)

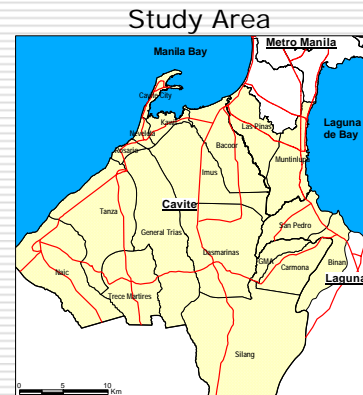
March 2005

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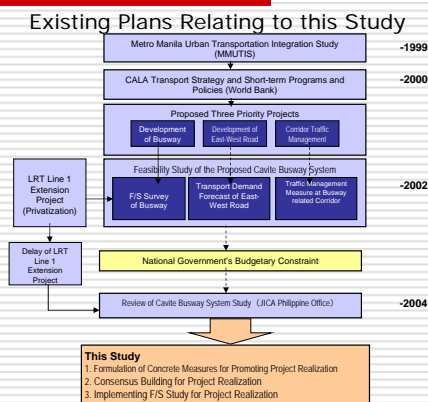
### Study Objectives and Background

- i. Review of CALA regional transport network development scenario.
- ii. Examination of the feasibility of CALA East-West road and related projects and preparation of project implementation plan.
- iii. Capacity development for staff of counterpart agency and other related agencies.

### Study Objectives and Background

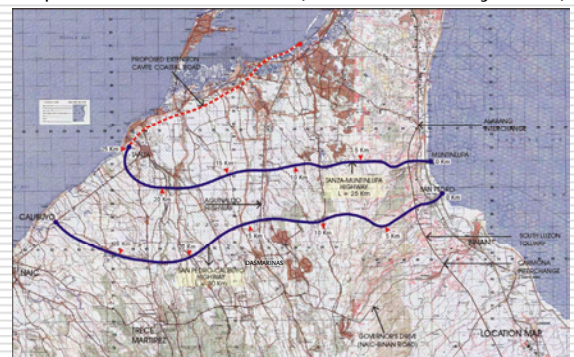


### Study Objectives and Background



### Study Outline

Proposed CALA E-W Roads (World Bank Study, 2000)



## Study Outline

### Tasks

Task 1:	Inception Study	Jan. 2005
Task 2:	Surveys and Preliminary Scenario Development	Jan. – Mar 2005
Task 3:	Evaluation and Selection of Scenarios	May – Aug. 2005
Task 4:	Evaluation and Selection of Priority Projects	Sept. – Dec. 2005
Task 5:	FS of Priority Projects	Jan. – Sept. 2006

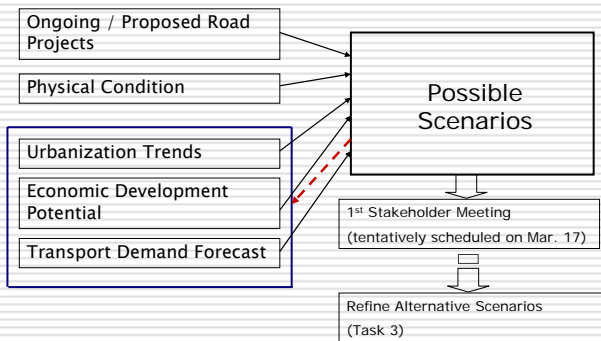
## Study Tasks at Present

### 1) Surveys

- |  |   |
|--|---|
| <p>Transport Surveys</p> <ol style="list-style-type: none"> <li>1. Roadside Traffic Count Survey (24 hours)</li> <li>2. Roadside Traffic Count Survey (12 hours)</li> <li>3. Intersection Traffic Count Survey</li> <li>4. Travel Speed Survey</li> <li>5. Public Transport Route/Service Frequency Survey</li> <li>6. Bus Terminal Passenger Count Survey</li> <li>7. Axle Load Survey</li> <li>8. Resident Interview Survey</li> <li>9. Business Establishment Interview Survey</li> </ol> | <p>Environmental Surveys</p> <ol style="list-style-type: none"> <li>1. Air Quality</li> <li>2. Water Quality</li> <li>3. Noise Pollution</li> </ol> |
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## Study Tasks at Present

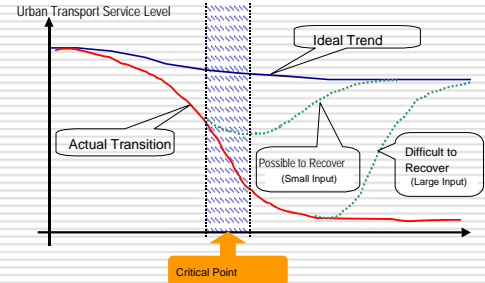
### 2) CALA Road Network Scenarios Development



## Basic Technical Approach

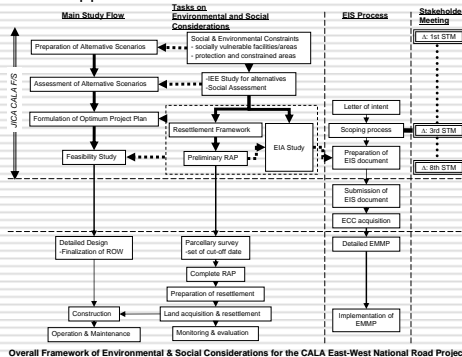
Development of an Effective / Realistic Regional Transport Network Plan

### Possible Trend of Urban Transport Service Level



## Basic Technical Approach

Observance of the JICA's Guideline and the Laws/ Regulations of the Philippines for Environmental and Social Consideration

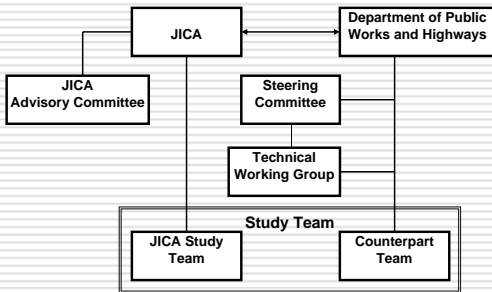


## Basic Technical Approach

- Explicit Consideration to the Poor
- Specific and Realistic Recommendations on Land Acquisition and Relocation of Residents
- Capacity Development of the Counterpart Staff
- Better management of Transport Infrastructure

## Study Organization

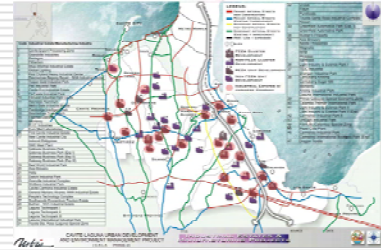
### Study Organization



## Characteristics of CALA Area

### RP's Engine for Economic Development

#### Industrial Estates Distribution in CALA

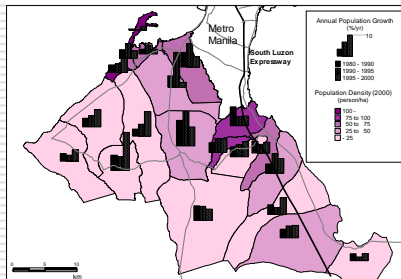


- Despite the low level of infrastructure development, this area is relatively dominant as compared with other competitive areas.
- Guaranteed high quality labor force.
- Existence of highly regarded industrial estates.

## Characteristics of CALA Area

### Rapid Urbanization

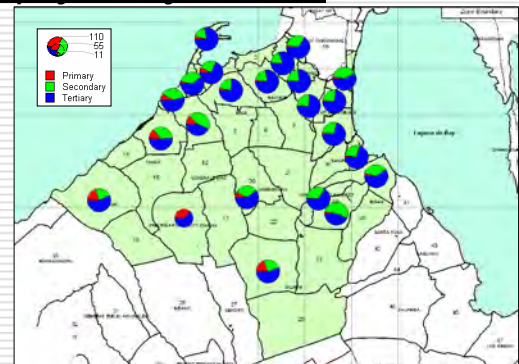
#### Population Growth Trend in CALA area, 1980-2000



- Relatively large capacity to accommodate population increase.
- Mixture of globalization and poverty.

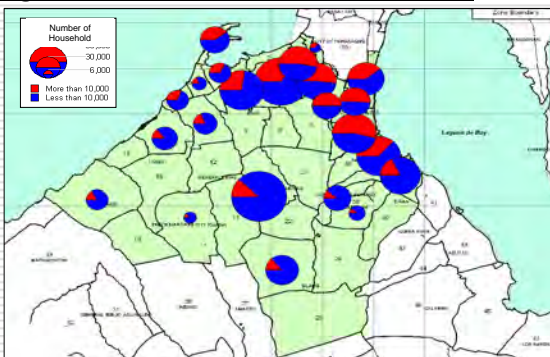
## Characteristics of CALA Area

### Employment by Industries



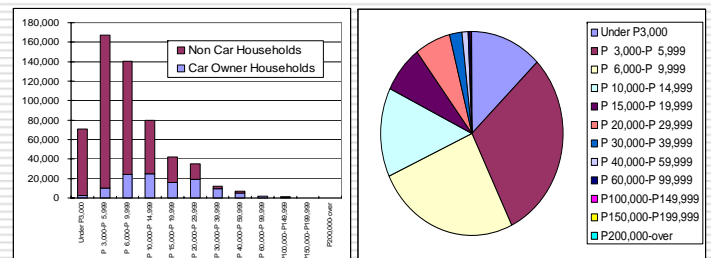
## Characteristics of CALA Area

### Average Household Income Distribution



## Characteristics of CALA Area

### Income Distribution of Household in Study Area by MMUTIS 1996



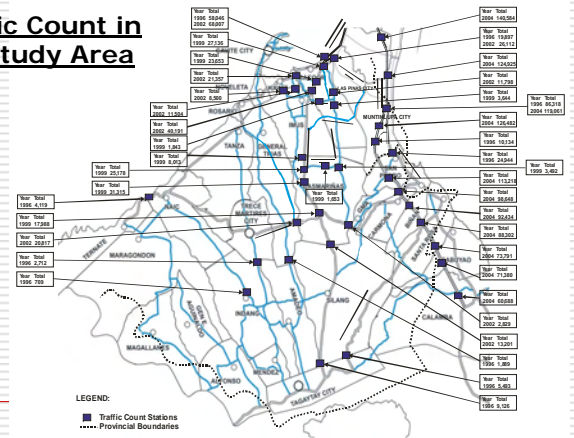
## Characteristics of CALA Area

### Poor Transport Infrastructure

- Only two (2) transport corridors connecting CALA with Metro Manila.
- Underdevelopment of arterial transport network in CALA Region.
- Existence of serious traffic bottlenecks (e.g. Talaba, Palapala, SLE interchanges, etc.)
- Wide-spread chronic traffic congestion.

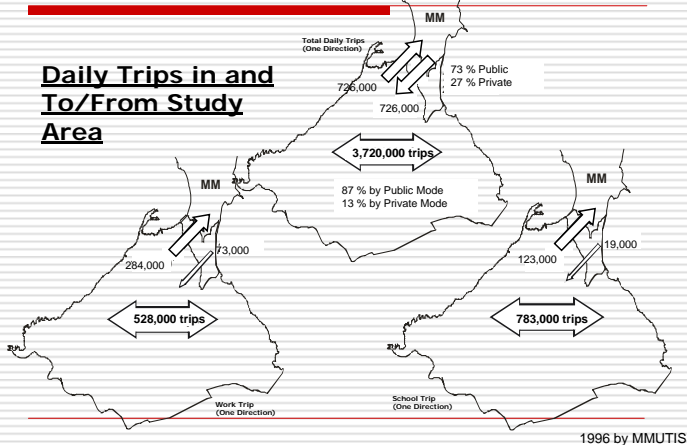
## Characteristics of CALA Area

### Traffic Count in the Study Area



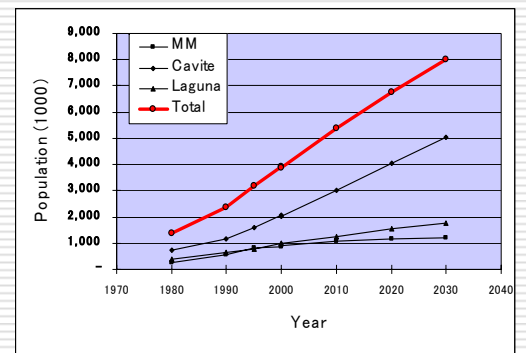
## Characteristics of CALA Area

### Daily Trips in and To/From Study Area



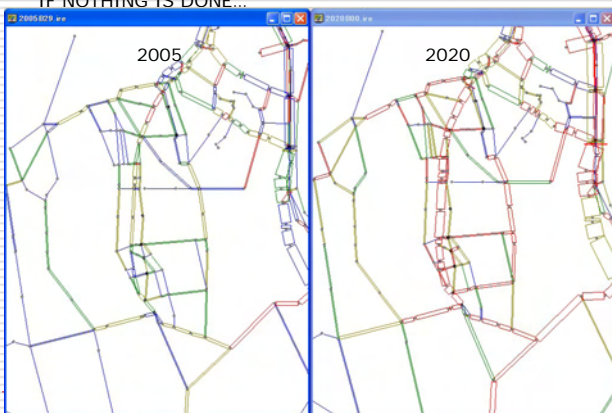
## Directions of Road Development

### Population Projection, 2010-2030



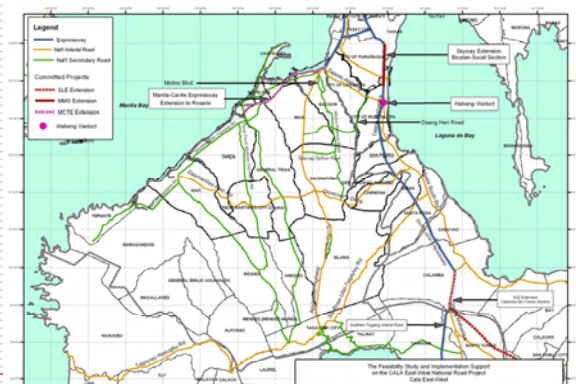
## Directions of Road Development

IF NOTHING IS DONE...



## Directions of Road Development

### Existing Road Network Including Committed Projects



## Directions of Road Development

### Arterial Road Network for CALA Proposed by WB



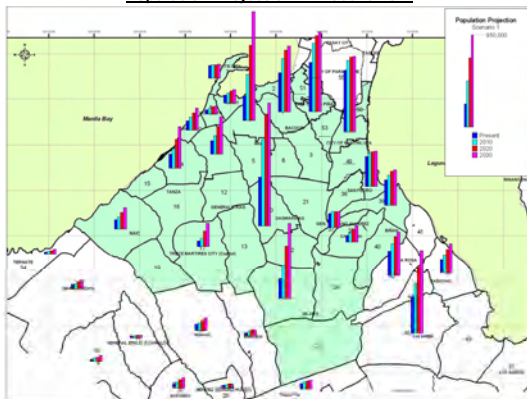
## Directions of Road Development

### Alternative Scenarios for Development of CALA Area

- A. Metro Manila Dependence Scenario
- B. Internal Urban Core Development Scenario
- C. Industrial Development Scenario
  - Environment-Oriented Plan
  - Pro-Poor Plan

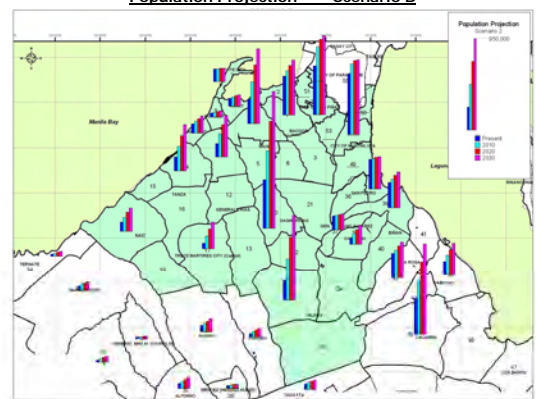
## Directions of Road Development

Population Projection ---- Scenario A



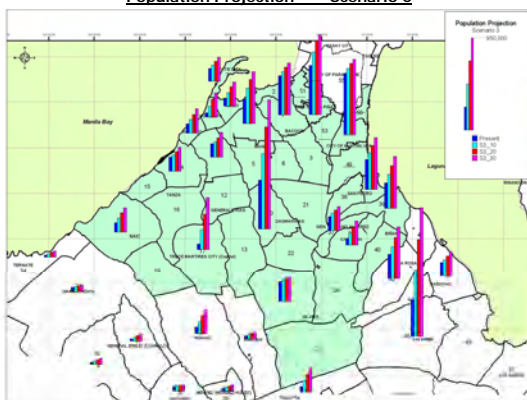
## Directions of Road Development

Population Projection ---- Scenario B



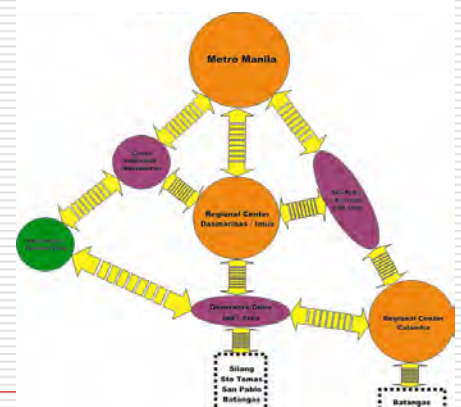
## Directions of Road Development

Population Projection ---- Scenario C



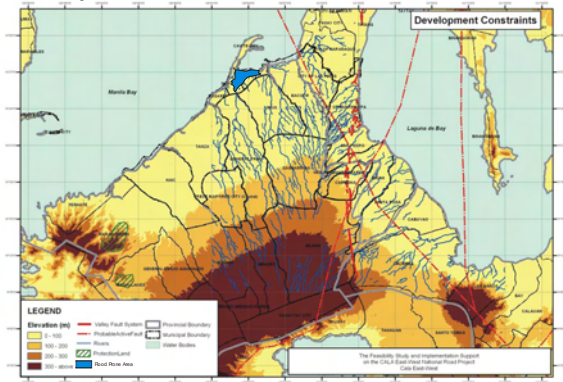
## Directions of Road Development

### Regional Structure and Network



# Directions of Road Development

## Development Constraints



# CALA East-West Website

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