



# **DAVAO CITY TRANSPORT MASTER PLAN AND WTE PROJECT**

**ONLINE BUSINESS SEMINAR ON ENERGY AND TRANSPORTATION IN METRO DAVAO**

OCTOBER 20, 2021

Presented by: Tristan Dwight P. Domingo, for and in behalf of the City Government of Davao



## **OUTLINE OF PRESENTATION:**

**A. DAVAO CITY TRANSPORT MASTER PLAN**

**B. DAVAO CITY HIGH PRIORITY BUS SYSTEM PROJECT**

**C. CONSTRUCTION OF WASTE TO ENERGY FACILITY IN  
DAVAO CITY**

# A. DAVAO CITY TRANSPORT MASTER PLAN

- A **FEASIBILITY STUDY** aimed at formulating a Comprehensive Metro Davao Public Transportation and Traffic Management Master Plan to guide the development and management of transportation and traffic in Davao City. It also seeks to establish a transportation and traffic database system for Davao City, and the Arterial Urban Transport Corridor of Metropolitan Davao.
- Funded by the Department of Transportation, with technical support from NEDA Region XI

## TERRITORIAL COVERAGE OF THE FEASIBILITY STUDY:

**Cities:** Davao, Digos, Island Garden City of Samal, Panabo and Tagum

**Municipalities:** Carmen in Davao del Norte, and Sta. Cruz in Davao del Sur

## EXPECTED OUTPUTS OF THE FEASIBILITY STUDY:

- To efficiently manage movement of people and goods amongst the member local government units, where Davao City serves as its center
- A list of **PRIORITY** transportation and traffic management **PROJECTS** covering the year 2023 up to 2028
- Identification of **PRIORITY LEGISLATIONS** to support the projects to be undertaken



# A. DAVAO CITY TRANSPORT MASTER PLAN

FEASIBILITY/PROJECT DURATION: 12 months

PROJECT STATUS: Procurement process via competitive bidding is underway and thereafter selection of technical consultants will be made.

## OTHER COMPLIMENTARY FEASIBILITY STUDIES ALSO TO BE CONDUCTED/ONGOING:

- A study to look into the sustainable upgrading of Davao City's Public Safety and Security **COMMAND CENTER**
  - Current Status: To commence before end of 2021 and expected to end after 12 months
  - Aims to provide a list of information and communication technology (ICT) equipment specifications, as well as investment and procurement planning of the same
  
- A Pre-Feasibility Study with the **Ministry of Land, Infrastructure, Transport and Tourism of Japan (MLIT)**
  - Current Status: MLIT has identified Yachiyo Engineering Co., Ltd. to undertake the FS which is expected to end on March 2022
  - Aims to identify the coverage and provide a plan to efficiently upgrade Davao City's Traffic Signalization System

## B. DAVAO CITY HIGH PRIORITY BUS SYSTEM PROJECT

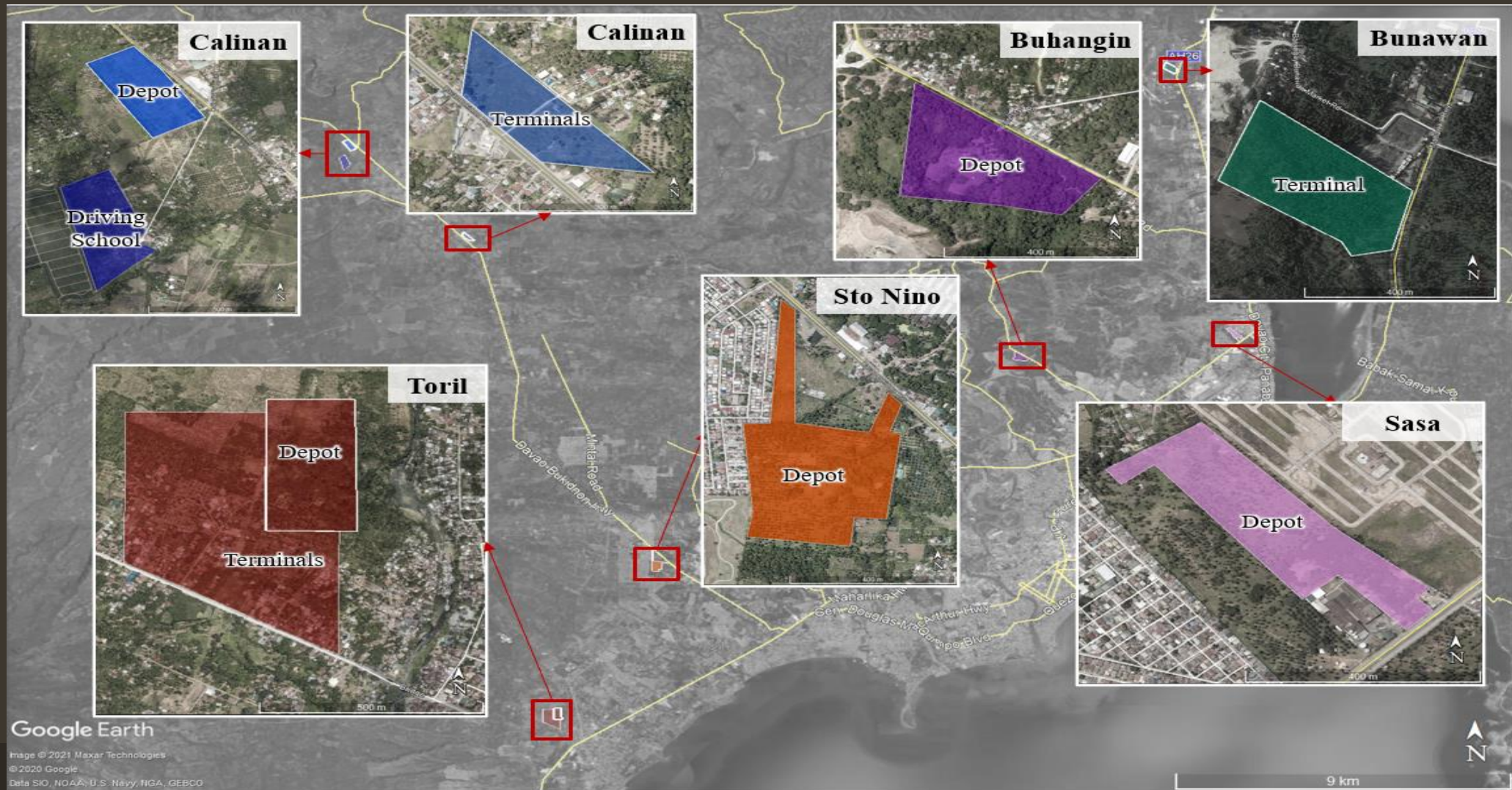
- One of Davao City's **PRIORITY** projects that will provide a BUS Public Transportation system in the city that combines the capacity, reliability and speed of a metro (train) line with the flexibility, lower cost and simplicity of a bus system
- **29 routes** as its bus network, **with at least 1,000 new buses** to replace the city's existing public transportation (7,000 plus jeepneys)
- The core bus network is over 100 kilometers, with a feeder network of around 500 kilometers
- At least three (3) bus vehicle specifications or types are to be procured, including a fleet of electric powered buses



- The HPBS Project is targeted to be fully **operational earliest LAST QUARTER OF 2023**

# B. DAVAO CITY HIGH PRIORITY BUS SYSTEM PROJECT

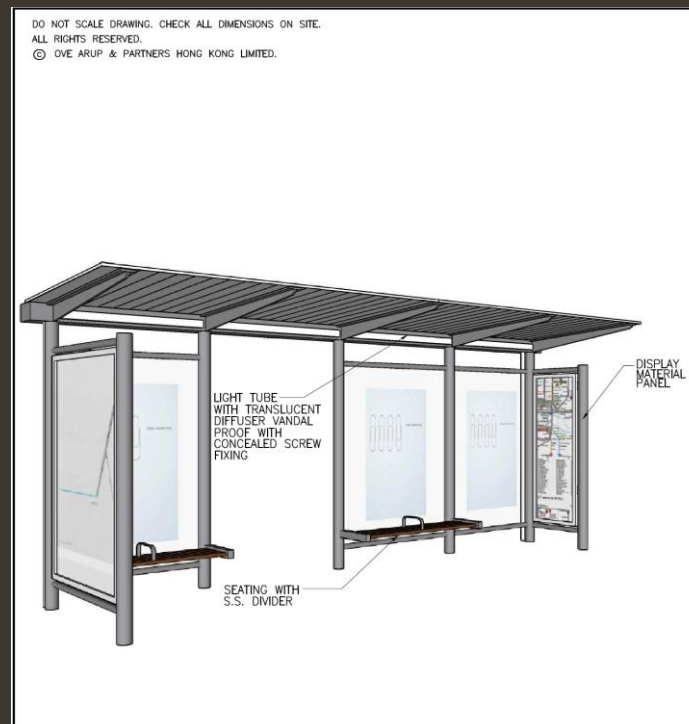
PROJECT SCOPE: Construction of 5 bus depots, 3 bus terminals and 1 driving school or around 400,000 to 600,000 square meters of infrastructure development





# B. DAVAO CITY HIGH PRIORITY BUS SYSTEM PROJECT

PROJECT SCOPE: At least 1,000 bus stops



**PROJECT STATUS:** Finalization of the Bid Documents, Technical Specifications and Terms of Reference of all Contracts

**PROJECT FUNDING AND SOURCE:** Php 50 Billion, to be funded by the National Government (DOTr) and the Asian Development Bank (ADB)

# B. DAVAO CITY HIGH PRIORITY BUS SYSTEM PROJECT

## PROJECT SCOPE: ESTIMATED TIMELINE OF PROCUREMENT

Contracts	Tender Out	Tender Award	Completion
Contract 1 & 2: Depot, Terminal & Driving School Civil Works	Nov 2021	Feb 2022	Jun 2023
Contract 3: Bus Route Civil Works	Nov 2021	Feb 2022	Jun 2023
Contract 4: Procurement of Bus Fleet	Oct 2021	Feb 2022	Apr 2023
Contract 5: System Integration	Nov 2021	May 2022	Jul 2023
Contract 6: Civil Works Construction Management Consultant	Dec 2021	Feb 2022	Jul 2023
Contract 7: Bus Fleet Delivery Supervision Consultant	Sep 2022	Oct 2022	Apr 2023
Contract 8: System Integration Delivery Supervision Consultant	May 2022	Jul 2022	Jul 2023
Contract 9: Shadow Operator Consultant	Arup VO	VO Approval by Feb 2022	Feb 2023
Contract 10: System Manager	Mar 2023	Apr 2023	-
Contract 11-13: Bus Operator	Oct 2022	Dec 2022	-



# C. CONSTRUCTION OF WASTE TO ENERGY FACILITY IN DAVAO CITY

- Two (2) Feasibility Studies (FS) have been conducted on Davao City, both were funded by Japan. The latest of which was finalized 1st Quarter of this year, 2021



Kogasaki Incineration (WTE) Plant  
in Kitakyushu City, Japan



## PROPOSED DAVAO CITY WTE FACILITY

- Capacity: 600 Tons/day
- Power Generation: 11.1 MW
- Project Cost: At least Php 5 Billion
- Japan government has made available via grant aid the sum of ¥ 5,013,000,000.00 Japanese Yen, or nearly Php 2.5 Billion for the Project as early as 2<sup>nd</sup> Quarter of 2018

# C. CONSTRUCTION OF WASTE TO ENERGY FACILITY IN DAVAO CITY

## PROJECT STATUS:

- **Davao City LGU has prepared a site for the proposed WTE Facility (9 hectares in Barangay Biao Escuela, Davao City)**
- **Currently, Davao City and DENR are working on seeking appropriate government approvals to FULLY fund the project and the construction of the facility**
- **An estimated ADDITIONAL Php 3.5 Billion is needed to fund the project**
- **As soon as the project's financial viability conditions are met, a group of technical, legal and financial experts/consultants (already identified and funded through the Japanese grant aid) will be finalizing the terms of reference for the bidding process to identify the eventual private company who will be designing, constructing, operating and maintaining the facility in the next 20 years**

