

BOCAUE+RIVER.

Revitalizing Bocaue riverfront and connections through the Bocaue Riverwalk and Ferry Terminal

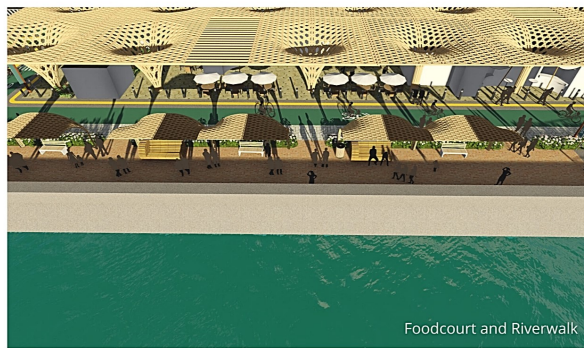
by Madel Mendoza

Arch 199.2

2022



Pontoon



Foodcourt and Riverwalk



Plaza



Site Location

Barangay Antipona, Bocaue, Bulacan

19 Barangays
Semi-Urbanized Municipality
4th smallest town in the province
Region III



3,187 HA
TOTAL LAND AREA



Agriculture
& Aquaculture
LAND CLASSIFICATION



141,412
2020 POPULATION

Site Background

bu-ka-we

Origin of the name came from the abundance of a local bamboo called "Bukawe" in the area.

Known for...



Fireworks
MANUFACTURING AND TRADING INDUSTRY



Pagoda Festival
COMMEMORATION OF THE RELIC OF THE MAHAL NA KRUS NG WAWA

Site Issues



Degrading river water quality

Agricultural-based pollution, industrial and household wastes detected and riverbank erosion



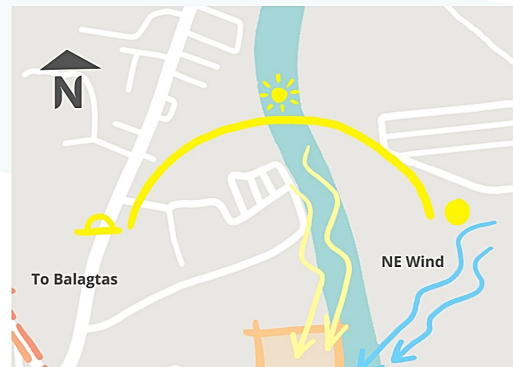
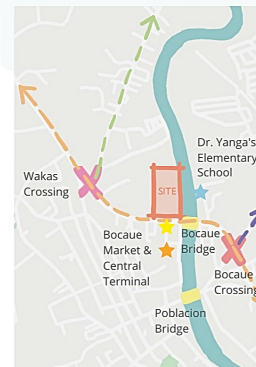
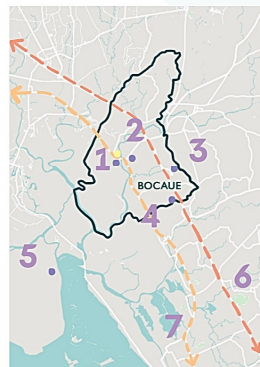
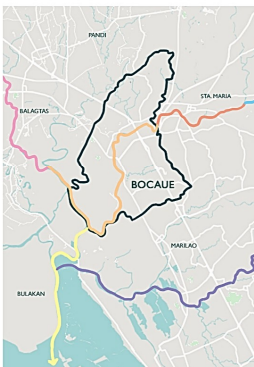
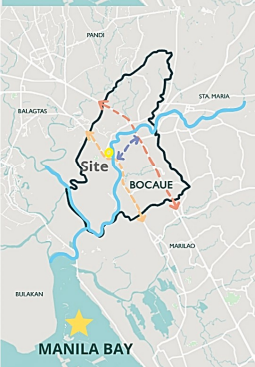
Congested traffic along major roads

Poses a major hindrance in the economic activities in the municipality, province, and region as a whole.



Lack of public spaces

Insufficiency of parks and general public spaces. Bocaue needs open spaces for its community to thrive and offer opportunity to boost its municipal image.



Macrosite Analysis

3 major roads
+ 1 river

Bocaue is surrounded by Pandi, Balagtas, and Santa Maria, Marilao, and Bulakan. All are accessible thru NLEX, McArthur Hi-way, and Halili Avenue. The river is connected to Manila Bay.

River Network

Bocaue River connecting to Manila Bay

- To Manila Bay
- Bocaue River
- Sta. Maria River
- Meycauayan River
- San Jose River
- Gulguinto River

Site Opportunities

- ACROSS BOCAUE MARKET & CENTRAL TERMINAL
- NEAR TO PH NORTH-SOUTH COMMUTER RAILWAY PROJ. STATION
- NEAR TO PH ARENA
- NEAR TO MEGAWORLD'S NORTHWIN GLOBAL CITY
- NEAR TO BULAKAN INTERNATIONAL AIRPORT
- NEAR TO NLEX
- ACCESSIBLE THRU MCARTHUR HI-WAY

Circulation + Vicinity

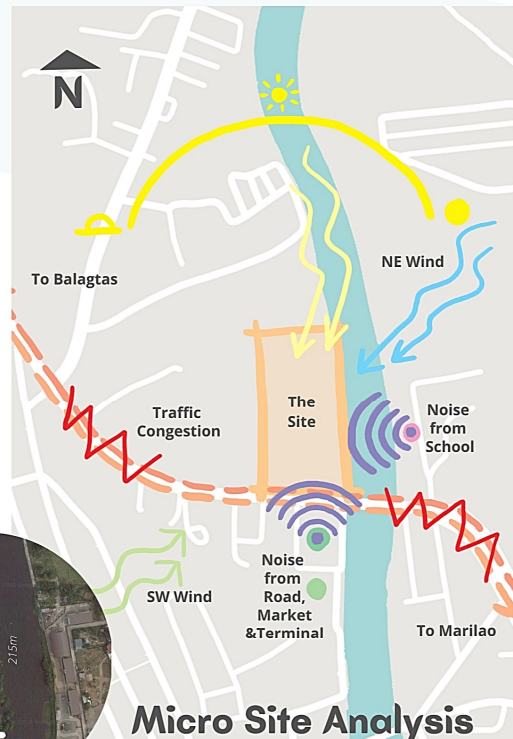
2 major crossing
+ 2 bridges

- Bridge
- McArthur Hi-way
- Narra Street
- Halili Ave

SITE AREA:
10,750 SQM



Micro Site Analysis



Design Development

01

The Site
10,750 SQM
Beside Bocaue River
Along McArthur Highway

02

Setbacks
Allotted easements and offsets following the proper codes.

03

Site Zoning
5 Zones
● Ferry Terminal
● Riverwalk
● Food Court
● Parking
● Plaza

04

Road Network + Sidewalks + Softscape
Entrance and exit to the site is via McArthur Highway. Road connects directly to parking with pedestrian access all around.

05

Riverwall
Serves as a protection from riverbank erosion and flood.
● Riverwall

06

Food Court
70 food stalls
1 Public Toilet

07

Food Court Roofing
Bamboo Canopies covering the whole food court allowing natural light and ventilation.

08

River Ferry Terminal
A three-story building composed of public ferry terminal spaces, services, and private admin offices with a roof viewing deck connecting to the riverwalk.

09

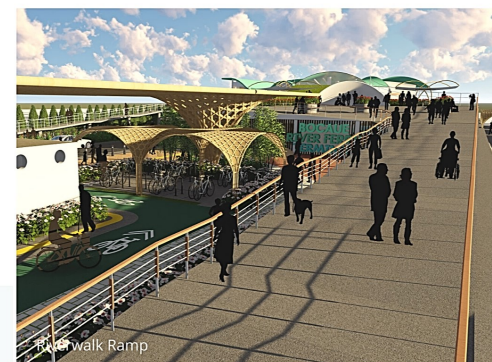
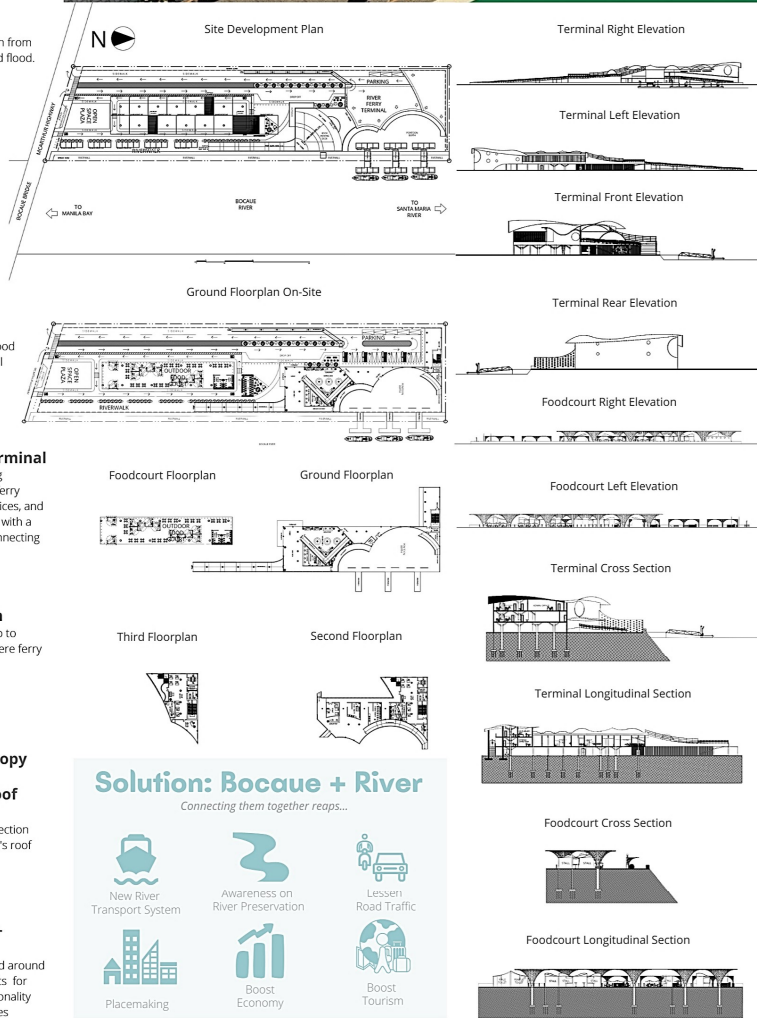
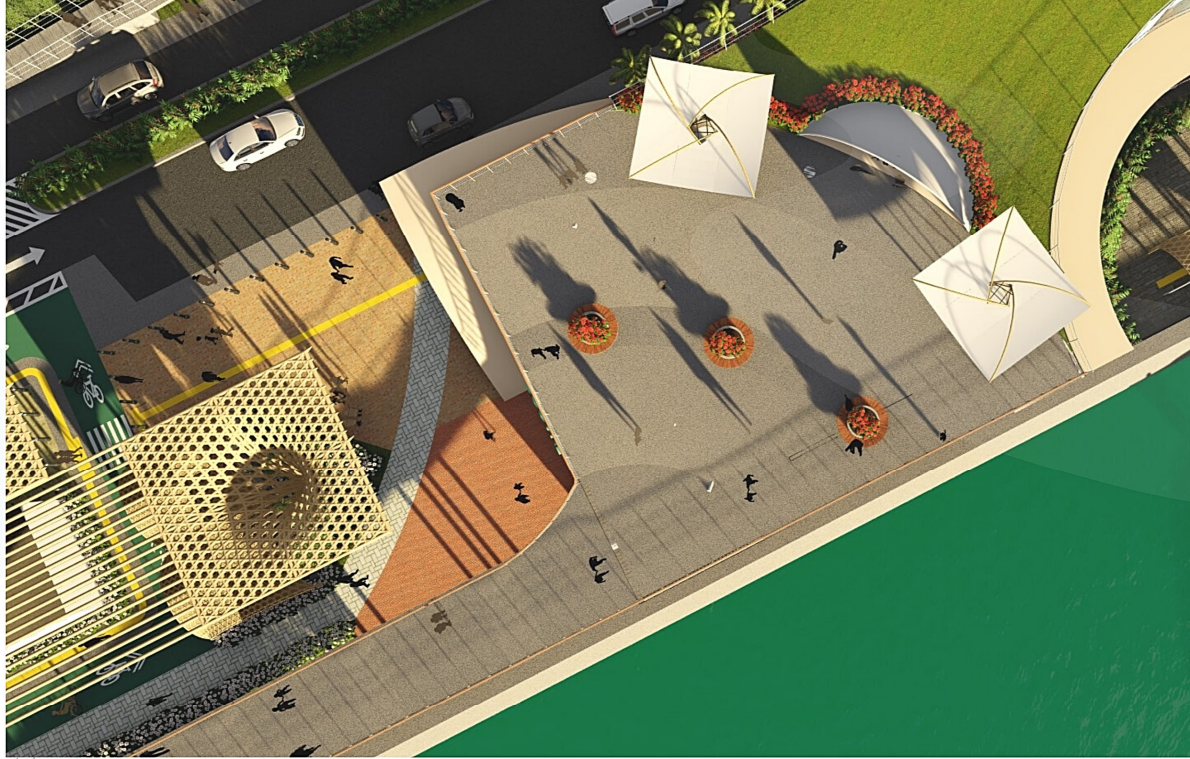
Pontoon Berth
Where passengers go to access a ride and where ferry vessels moor

10

Riverwalk Canopy + Ramp up to Roof Viewin Deck
Riverwalk ramp connection to river ferry terminal's roof viewing deck with sunshading.

11

Site Canopies + Plaza Stage
Sunshading enveloped around the site establishments for passive cooling functionality and aesthetic purposes



Design Objectives

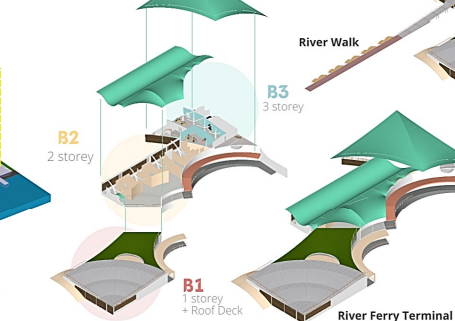
- 1 to hook users from outside the site
- 2 to allow users to access the site
- 3 to let the site be viewed at different angles
- 4 use public spaces and water space design for placemaking

Visual Permeability

- River Ferry Terminal**
3 Floors
Parking
Pontoon
- Food Court**
12 stalls + Public Toilet
- Plaza + Riverwalk**
With Ramp to Roof Viewing Deck
Bike Lane + Parking

Building Function Axonometric Blow-up

River Ferry Terminal Axonometrical Blow-up



Roof Deck

River Walk

Riverwalk Bamboo Arcade Sunshading

Bamboo Weave

6m

3m

6m

3m

Bamboo Weave

Pattern

Firework Formation Inspired Bamboo Roof Design

12 Food Stalls

Dining Tables

Public Toilet

Outdoor Foodcourt Bamboo Roofing

Food Stall 4x4m

Outdoor Foodcourt Axonometrical Blow-up