## 150 Years of Urban Development In Yokohama, JAPAN

Chu Hai Field Survey in Yokohama

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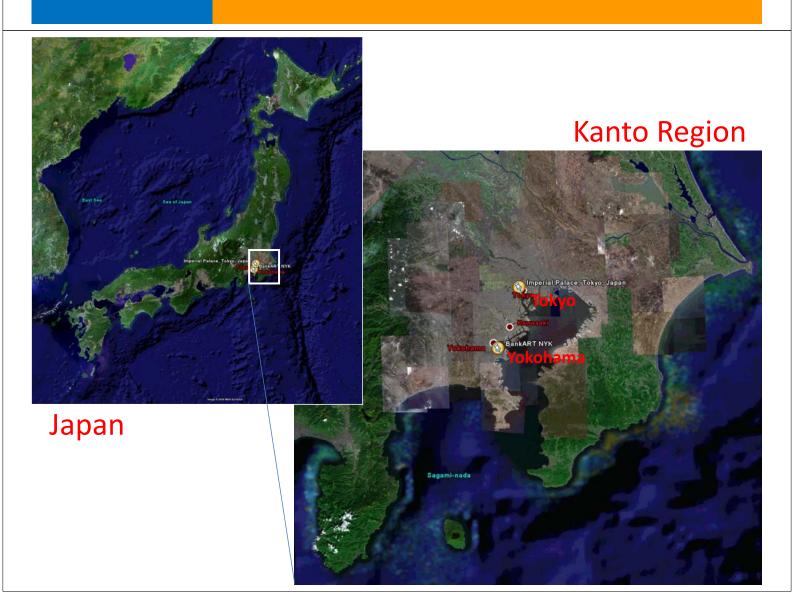
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### **Table of Contents**

- 1. Outline of YOKOHAMA
- 2. Urban developmet history
- 3. The 6 Great Enterprizes
- 4. Municipal Urban Design Office
- 5. Legal framework
- 6. Townscape Design Guidelines

## **Outline of YOKOHAMA**

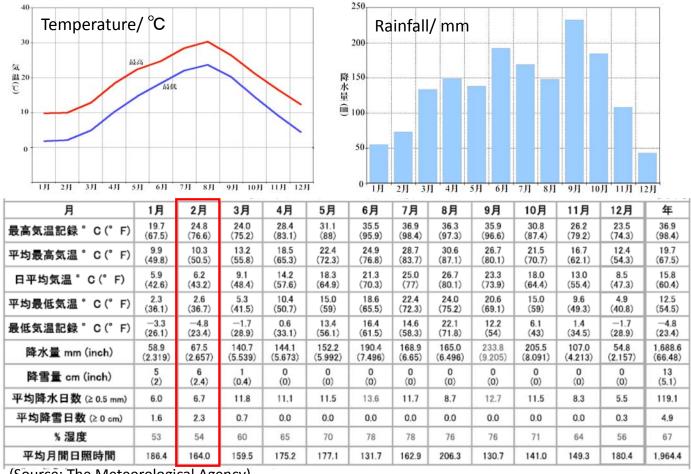
Some facts







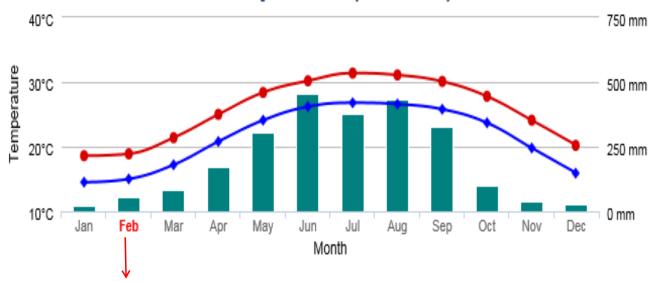
#### Weather in Yokohama (1981-2010)



(Source: The Meteorological Agency)

### Weather in Hong Kong (1981-2010)

#### Monthly Normals (1981-2010)



Mean Daily Max Temp: 18.9 Mean Daily Min Temp: 15.0 Monthly Mean Rainfall: 54.4

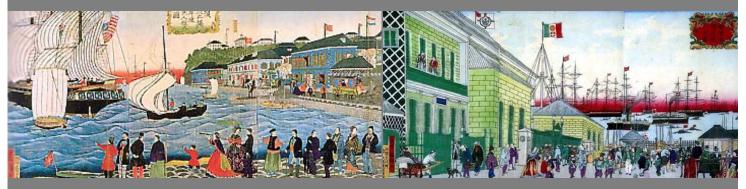
(Source: Hong Kong Observatory)

### Urban development history

Yokohama's Urban Issues and Its Townscape Development since the mid-19<sup>th</sup> century



Open the future by opening the past



<After the Opening>

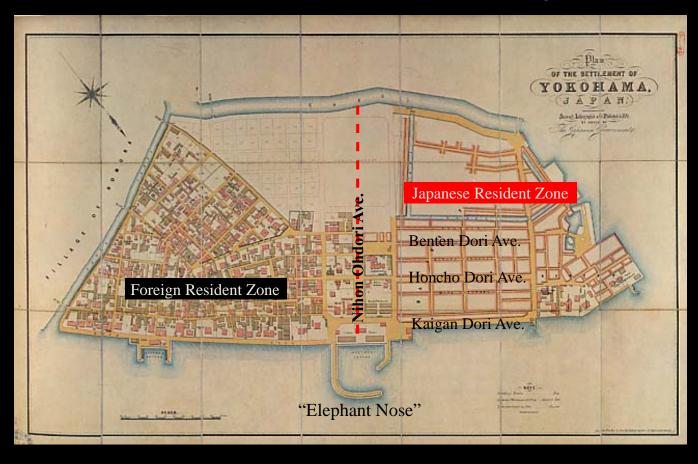
#### **Opening of the port**

In 1854, the Japan-US Treaty of Peace and Amity (Treaty of Kanagawa) was signed by representatives, Mr. D. Hayashi and Mr. C. Perry from Japan and the USA respectively.

In 1858, Japan-US Treaty of Amity and Commerce was signed by Consul-General Harris, followed by treaties with Holland, Russia, Great Britain, and France. The opening of the port was planned for July 1st, 1859, 150 years ago.

The feudal government established a foreign resident zone in this year as well as a Japanese resident zone. The Japanese zone was divided into five districts called Yokohama-cho which was controlled by the Shogunate Government.

#### Basic urban structure, provided after the great fire





Kaigan Dori Ave.



Nihon Ohdori Ave.



Honcho Dori Ave.

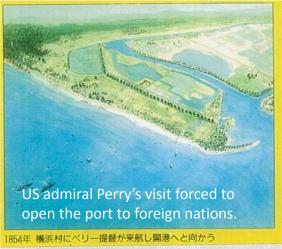


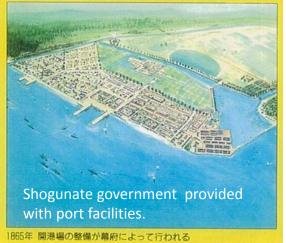
Foreign Resident Zone

### **Chronological Table of Yokohama's Development**

1859	Opening of Yokohama Port
1862	Namamugi Incident
1868	The Meiji Restoration
1872	Japan's first railroad began operation. (Yokohama∼Shimbashi)
1887	Japan's first modern waterworks service began operation.
1889	Yokohama was municipalized, population 120,000.
1894	The construction of Yokohama Chikuko Pier (currently the Grand Pier) was completed.

1854 1865





1892

Basic urban structure was formed by city planning after a fire disaster.

1892年 大火後の都市計画によって基本的な骨格が形成される

Piers and dockyards were built according to the plan of late Meiji era.

1922年 明治後半からの築港計画によって埠頭や造船所が整備される

1922

1923	The Great Kanto Earthquake (20,000p dead, 60,000houses destroyed)
1928	Municipal Bus began operation.
1930	Yamashita Park opened, using rubble of the earthquake.
1942	Yokohama's population surpassed 1 million.
1945	42 % of Yokohama was destroyed by bombing.  Land and buildings in downtown and port area were taken over.
1956	Yokohama became an ordinance-designated city.
1961	The construction of Marine Tower was completed. The Ship Hikawa-Maru was moored at Yamashita Park.
1964	Shinkansen(Tokyo-Osaka) began operation along with Shin-Yokohama Station right before the Tokyo Olympic Game.
1968	Yokohama's population surpassed 2 million.

#### Twice total disasters:

- 1) Earthquake in 1923
- 2) Air-Raid in 1945

■Right after the air-raid in

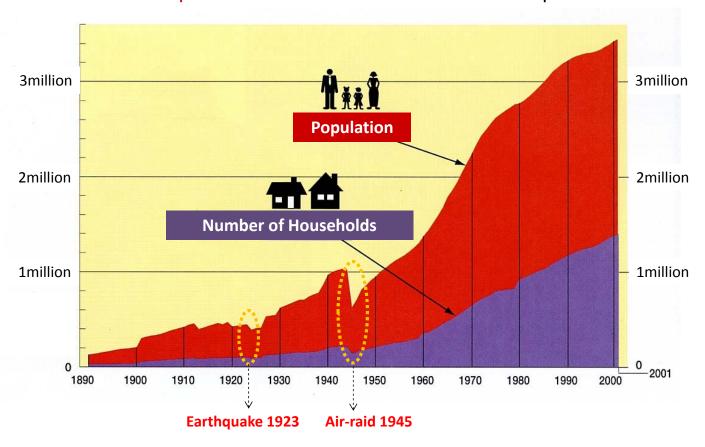


■Right after the Great Kanto Earthquake in 1923, taking 20,000 lives.

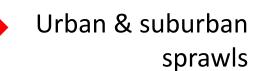
1972	Municipal Subway Line began operation.
1985	Yokohama's population surpassed 3 million.
1989	The 130th anniversary of the opening of Yokohama Port. Kanazawa Seaside Line/Bay Bridge opened.
1999	Yokohama World Porters/Kisha-michi Promenade opened.
2001	Yokohama Triennare 2001 was held.
2002	FIFA World Cup was held in Japan/Korea. The Grand Pier was reopened after remodeling
2009	The 150th anniversary of the opening of Yokohama Port.

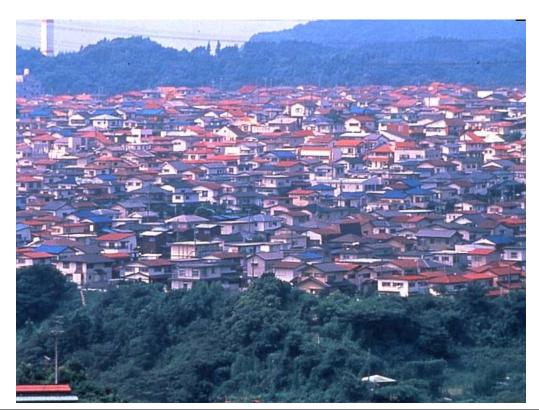
#### Growth of Population and Households

3.7million persons / 1.6million households as of Sep. 2015



Rapid post-war recovery from the disaster





A typical suburban sprawl 3

## The 6 Great Enterprises

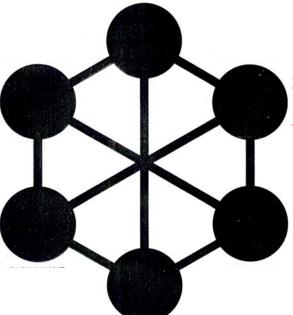
for Building Future Yokohama

# The 6 Great Enterprises for Building Future Yokohama, launched in 1965

1. Redevelopment of the city center

**6. Yokohama Bay Bridge** for a better and symbolic traffic

**5. New Expressways** for better traffic services



2. Kanazawa Waterfront Reclamation

for more urban capacity

**3. Kohoku New town** for better suburban development against sprawl

**4. New Railway System** for better public transport services

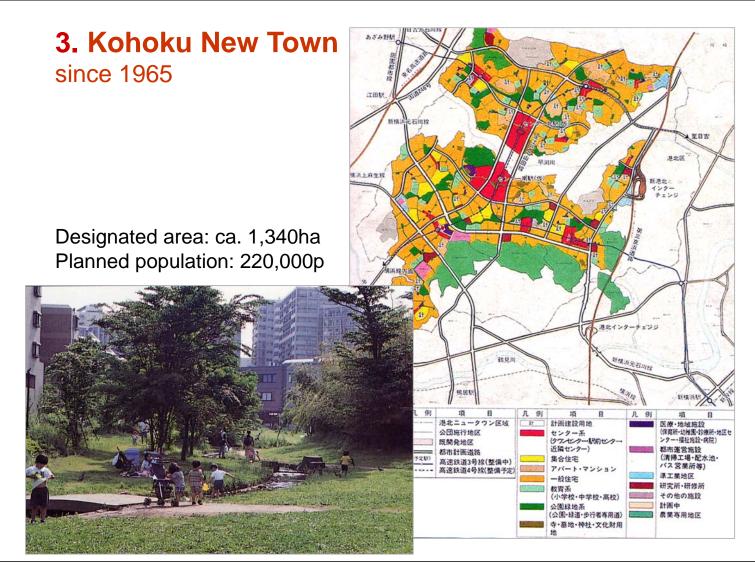
1. Redevelopment of the city center



#### 2. Kanazawa Waterfront Reclamation

本牧山頂 新本牧 接収解除地区





#### 4. Provision of New Railway System

5. Provision of New Metropolitan Expressways





#### 6. Yokohama Bay Bridge

Double deck express way Length: 860m



4

Municipal Urban Design Office

Roles and contributions @City of Yokohama

# Creation of the Urban Design Office in 1971 for:

- Coordination among the related departments and sections within the municipal administration
- Coordination between public and private initiatives of urban development
- Provision of design workshops open to public
- Organization of participatory design process according to the area specific situation
- Integration of the old resources into the new urban design
- Incubation of leading experts in urban design

### Urban Design initiatives include:

- Coordination among the related diverse stakeholders for creating an area specific and attractive urban space, which drives development of urban attraction as a whole
- Objects of those initiatives include both public and private assets that form the urban space

### 7 Objectives of Urban Design

- 1) Provision of more places for rapport and communications of people
- 2) Provision of safe, comfortable and attractive spaces for pedestrian
- 3) Respect of natural features such as geography and vegetation of the region
- 4) Respect of sea and river waterfront spaces
- 5) Respect of historical and cultural resources of the region
- 6) Enrichment of open spaces and greenery
- 7) Search for figurative and visual beauty

Creation of urban axis and spaces for pedestrian

Ohdori Park Ave. (built 1971~1978)

by constructing the expressway under instead of initial fly-over planning

Improvement of the City Hall Plaza for pedestrian, 1974

Through greenery & building color scheme



**Before** 



**After** 

#### Restriction of advertisement behind public space



Yamashita Park, visited by 4million people a year

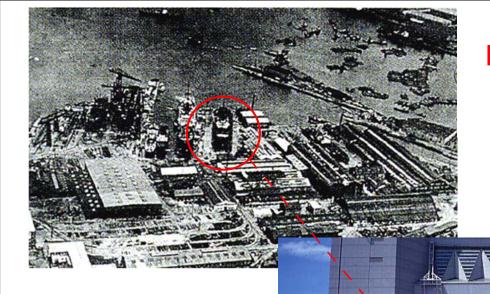
Promenade Map for Pedestrians





Nihon-maru Memorial Park and surrounding waterfront

Restoration of the former Dockyard No.1, 1985)

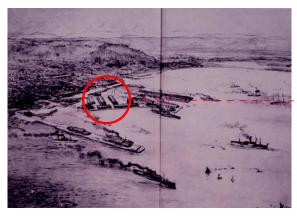


#### **Dockyard Garden**

Restoration of the former Dockyard No.2, 1993)



#### **Red Brick Warehouses**



Before (built in1922)



After restoration and conversion (2002)









# Beautification of shopping malls



Isezaki Mall, 1978∼









#### Respect of Exotic Culture

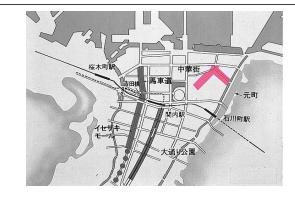
Yokohama China Town

Area: ca. 25ha (500m x 500m)

No. of shops: ca. 620

No. of Chinese restaurants: 226

(as of June 2010)









# Town Association's Initiative to protect its proper townscape and culture



The land designated for a condominium was purchased by the China Town Association to build a Mausoleum in 2006.

#### A series of Town Specific Official Rule Books





# Townscaping at night since 1986

LICHT UP YOKOHAMA

Guide map of Light Up Yokohama

By the Association for Yokohma Night View Direction Projects



Waterfront at night



Yokohama Island Tower at night

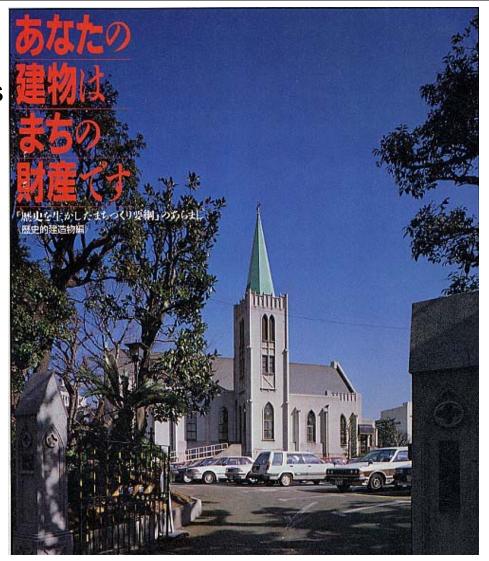


**Jack Tower** 

Yokohama Bay Bridge



Preservation of historical buildings as urban property



Town development, making the most of historical resources





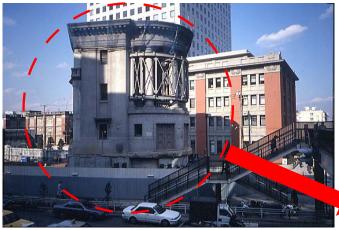




# Integration of the Old into the New

Yokohama Island Tower, 1987

Architect: Fumihiko MAKI



Part of the former bank, being moved for preservation







Preserved historical buildings among others





Those diverse urban design initiatives made the Yokohama downtown extremely attractive and the most beloved city center by not only residents but also visitors.





Towards
design and development of the townscape
that people love and are proud of.



5

### **Legal Framework**

for Land- and Townscape Planning & Practices

#### **National Landscape Act**

was enforced in 2004 to support local governments' initiatives for their comprehensive landscape planning and execution.

This act require local government to provide with landscape planning that can control townscape through agreement and designation of important buildings, urban facilities and trees.

City of Yokohama has accordingly provided with Municipal Bylaw of Landscape to further enhance the quality of urban design as well as to activate the related initiatives with the citizens' participatory process.

#### Designated areas and objects for the landscape planning

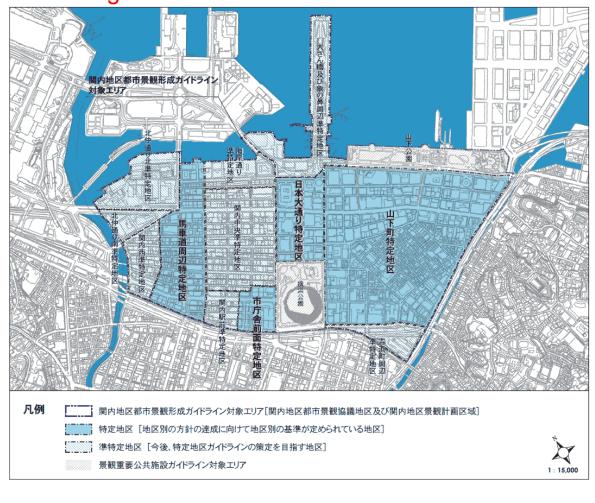


6

## Townscape Design Guidelines

for the Kannai District

#### The Designated Areas of the Guidelines



#### Guidelines for the entire district of Kannai

#### ■ Basic policy of the townscape design

関内地区に関連する上位計画をもとに、関内地区の都市景観形成の方向性を示したものです。

#### ■ Action Guide

関内地区全域において、又は指定された敷地において、「関内地 区の魅力ある都市景観形成のための方針」を実現するため、達成 することが求められる、建築行為等の指針です。

これまでの取組みや現況、課題を述べ、この行為指針を達成 することが求められる趣旨を説明しています。

関内地区の魅力ある都市景観形成に貢献するように設定した 建築行為等の目標と、それを達成することにより得られる効果 を説明しています。

この行為指針に関連する制度を紹介しています。建築行為等 を計画する際は、こちらも併せて参照して下さい。

この行為指針や関連する景観形成基準に関する事項(場所、 街路、事項、制限等)を記載した図面です。それぞれの敷地と 周辺との関係を確認し、目標を達成して下さい。



#### Guidelines according to the specifically designated area

#### 地区別ガイドライン

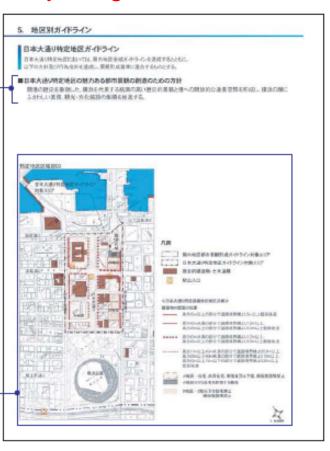
関内地区をまちの特性に合わせて区分し、地区の個性や特徴をさ らに伸ばしていくために達成することが望まれる、建築行為等の指 針です。

関内地区全域を対象とした行為指針に加え、併せて地区別ガイド ラインの達成が求められます。

関内地区全域のガイドラインに記載されている行為指針等の内容 は、重複を避けるため、地区別ガイドラインでは割愛しています。 ※地区別ガイドラインの適用範囲については、「関内地区都市景観形成ガイドライン適用エリア」を参照して下さい。

地区の個性や魅力を育んでいくための、地区別の都市景観形 成の方向性を示したものです。

行為指針や関連する景観形成基準に関する事項を整理した 図面です。それぞれの敷地と周辺との関連性を確認し、目標 を達成して下さい。





この行為指針と関連する方針を示しています。

行為指針を達成するために、関内地区の魅力が向上するよう な工夫が求められ、敷地条件や建築計画に応じて、協議を行 う事項です。

行為指針を達成するため、建築行為等を行う際に適合することが求められる景観計画の規定を紹介しています。

この事項は、関内地区景観計画と密接に関連しておりますので、景観計画の内容をご理解いただき、目標を達成して下さい。 ただし、魅力ある都市景観形成に貢献する建築行為等と認められる場合は、その事項の適用が緩和されることがあります。



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