FUN BRIDGE

PEDESTRIAN BRIDGE ON EDGE OF VEDADO

SUN YUEWI
TUTOR: PAUL COURNET
2017.7.7
Car Sales in Cuba, a Market Opening

By Fernando Ravsberg

HAVANA TIMES – With the announcement making possible the “retail sale of new and used motorcycles, cars, vans and minibuses,” for Cubans and foreign residents in the country, the government removes a restriction that remained for half a century.

New cars are considerably more expensive on the island than in other countries because they are taxed at 100%. However, with the revenue, the government announced it will create a national fund for the promotion of public transport.

To date in Cuba there were three markets for vehicles with a price difference of up to 500%. Paradoxically, the most expensive vehicles were second-hand and sold among the citizens of the island.

After 5 decades of prohibition, Cubans can buy tens of thousands of cars.
## Beijing air pollution

Data from US State Department

### Hourly readings

<table>
<thead>
<tr>
<th>Air Quality Index</th>
<th>Date and Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>600</td>
<td>Dec 7, 11 am - Dec 8, 9 am</td>
</tr>
<tr>
<td>500</td>
<td>Nov 30, 12 pm - Dec 1, 11 am</td>
</tr>
<tr>
<td>Hazardous</td>
<td>Extremely high: beyond index</td>
</tr>
<tr>
<td>300 - 500</td>
<td>Avoid outdoor exertion</td>
</tr>
<tr>
<td>201-300</td>
<td>People with respiratory disease should avoid outdoor activity</td>
</tr>
<tr>
<td>101-200</td>
<td>People with respiratory diseases such as asthma should limit prolonged outdoor exertion</td>
</tr>
<tr>
<td>51-100</td>
<td>Moderate</td>
</tr>
<tr>
<td>0-50</td>
<td>Good</td>
</tr>
</tbody>
</table>
ILLUSTRATION BY MANUEL HERRERA
AS CUBA OPENS UP, IS IT DOOMED TO FOLLOW THE CAR-DEPENDENT ROAD TO DEVELOP LIKE OTHER DEVELOPING COUNTRIES?
HAVANA TRANSPORT

1753 - 2017
IN 1900-1930, THERE WAS A GREAT DEAL OF INVESTMENT IN PUBLIC TRANSPORT, BASED AROUND A WELL-DEVELOPED NETWORK OF ELECTRIC TRAMS AND RAILWAYS.

IN THE EARLY 1950S, THESE NETWORKS WERE DISMANTLED (LIKE US) AS PRIVATE CAR OWNERSHIP INCREASED.

AFTER REVOLUTION, GOVERNMENT PROMOTED BUS NETWORKS AND LIMITED PERSONAL USE OF CARS.

AFTER EMBARGO, CUBA IMPORTED A LARGE AMOUNT OF BIKES.
In 1900-1930, there was a great deal of investment in public transport, based around a well-developed network of electric trams and railways.

In the early 1950s, these networks were dismantled (like us) as private car ownership increased.

After revolution, government promoted bus networks and limited personal use of cars.

After embargo, Cuba imported a large amount of bikes.
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AFTER EMBARGO, CUBA IMPORT FROM CHINA A LARGE AMOUNT OF BIKES.
HAVANA WAYS OF TRANSPORT TODAY

WALKING

CYCLING

VEHICLE SHARING

BUS

EMBARGO
SO WHAT'S NEXT?

HOW SHOULD HAVANA TRANSPORT IN FUTURE?
FIG. 2.
(INDEX 1990 = 100) SOURCE: [15], FIG. 1.
THREE STAGES IN GLOBAL URBAN MOBILITY POLICIES.

"VEHICLE"  "PERSONAL MOVEMENT"  "CITY LIFE"

"VEHICLE"  "PERSONAL MOVEMENT"  "CITY LIFE"

"GIVE PRIORITY TO PUBLIC TRANSPORT. ENCOURAGE CYCLING.
ENABLE AN INCREASE IN PUBLIC TRANSPORTATION OF PASSENGERS IN CURRENT CONDITIONS AND LAY FOUNDATION FOR SUSTAINABLE LONG-TERM DEVELOPMENT"
VIEJA
VEDADO

BARCELONA

2.1KM

2.1KM
Highly regular organization. Originally planned to be 50-50 built-unbuilt but many courtyards have been infilled.

Regular grid, low regularity within each block. Open spaces both close to the street and as back courtyards. Green buffer around most blocks plus extra open space in front of many.
BARCELONA PEDESTRAIN STREET

Transport in a truly “liveable city” had to factor in social inclusion, public health and environmental sustainability. Smaller interventions such as pedestrianised streets or cycle lanes triggered positive chain reactions.
OUTDOOR GAMES
MARKET
UNWALKABLE STREET
OUTDOOR GAMES
EVENT
ONLY ONE SMALL PEDESTRIAN CONNECTION OF THE WHOLE AREA
TUNNELS FOR CARS

BRIDGE FOR PEDESTRIAN
THE 8TH HAVANA INTERNATIONAL CHARRETTE ON URBAN DESIGN
TWO FISHING POINTS IN HAVANA

1. ALMENDARES RIVER FISHING POINT

2. COJIMAR RIVER FISHING POINT
URBAN STRATEGY

MIRAMAR AND VEDADO ARE EVEN DISTRICTS
URBAN STRATEGY

MIRAMAR AND VEDADO ARE EVEN DISTRICTS

PEDESTRIAN FLOWS GATHER AT CONNECTION POINT OF TWO DISTRICTS
MIRAMAR AND VEDADO ARE EVEN DISTRICTS

PEDESTRIAN FLOWS GATHER AT CONNECTION POINT OF TWO DISTRICTS

STRENGTHEN THIS POINT AND BRING BACK POSITIVE INFLUENCES TO URBAN AREA
1. BRIDGE

CHARLES BRIDGE, PRAGUE, CZECH REPUBLIC 1357

RIALTO BRIDGE, VENICE 1524

INDUSTRIAL REVOLUTION 1800

TOWER BRIDGE, LONDON 1894

GOLDEN GATE BRIDGE 1937

AKASHI KAIKYU BRIDGE, JAPAN 1998

MILLAU VIADUCT, MILLAU, FRANCE 2004

WHO 2000

D.C.'S 11TH STREET BRIDGE PARK, OMA 2014
D.C.'S 11TH STREET BRIDGE PARK, OMA, 2014

Landscape: 14572SQM
Restaurant: 1315SQM
Education: 1296SQM
Gallery: 1032SQM
Theatre: 303SQM

Total Area: 18518M²

80% 7% 6% 5%
2. WATER
FAABORG HARBOR BATH

JDS, URBAN AGENCY, CREO ARKITEKTUR A/S
FAABORG, DENMARK
2100.0 SQM
2014
FLOATING MARKET
FLOAT!

SUSTAINABLE
EASY STRUCTURE
FLOODING

OCEAN

MARKET
RESTAURANT

MIRAMAR

LEISURE

VEDADO
BARGES ON WATER
CONNECTIONS
WATERSCAPE
CHANGING ROOM & SCREEN

STAIRS

SCREEN

CHANGING ROOM
MALE/FEMALE
INFORMAL MARKET
90% 9% 1%

NORMAL EVENTS CELEBRATION
SUN

WIND

FLOODING
=6.87TON WATER
INFORMAL MARKET
EXHIBITION
LANDSCAPE
SCREEN
BAR & CAFE
RESTAURANT
MARKET

MIRAMAR AND VEDADO ARE EVEN DISTRICTS
PEDESTRIAN FLOWS GATHER AT CONNECTION POINT OF TWO DISTRICTS
STRENGTHEN THIS POINT AND BRING BACK POSITIVE INFLUENCES TO URBAN AREA.