MOBILITY + COVID 19
IN
MEXICO CITY

AVOID • SHIFT • IMPROVE

C40 ACTIVE AND SUSTAINABLE MOBILITY SERIES / JUNE 2020
INDEX

1. Overview: Mexico City context

2. Immediate response to health emergency- Sana Distancia (Healthy Distance)

3. Gradual Plan toward the “New Normal” Sana Movilidad (Healthy Mobility)

4. Conclusions: from crisis to opportunities
1. OVERVIEW

Mexico City context + Mobility
TRANSPORTATION SYSTEMS IN MEXICO CITY (CDMX)
(COLLECTIVE AND INDIVIDUAL)

- **PUBLIC TRANSPORT**
  - Collective (micro/corredor) 33%
  - Publicly-operated buses 1.2%
- **WALKING - ONLY** 32%
- **CAR** 19%
- **SUBWAY** 13%
- **TAXI** 5%
- **BRT** 2.3%
- **TROLLEYBUS** 0.4%
- **SUBURBAN TRAIN** 0.5%
- **LIGHT RAIL TRAIN** 0.3%
- **MOTORCYCLE** 1%
- **MOTO-TAXI/BICYCLE-CAB** 1.1%
- **SCHOOL/OFFICE BUS** 0.2%
- **BICYCLE** 2.1%

19 million trips in CDMX
8 million people living in CDMX
22 million people living in the Metropolitan Area
FRAGMENTED AND UNEQUAL SYSTEM

- **Unequal access to transport** services within the City, specially for peri-urban areas
- **Fragmented** public transport services (Subway, BRT, servicios de autobuses, etc.)
- **Lack of metropolitan coordination** to deliver a wholesome transportation system to people living in Mexico City and municipalities surrounding it
- **Limited bike infrastructure** compared to the size of the metropolitan area, disarticulated and concentrated in central areas
- The city has a weak **freight transportation policy**
2. HEALTHY DISTANCE

Mexico City + Mobility
COVID-19 CHALLENGES

REDUCING DEMAND to minimize virus spreading

GUARANTEE TRANSPORT SERVICES for essential activities and freight

PROTECTING USERS AND TRANSPORT OPERATORS in essential trips

IMPROVING INFRASTRUCTURE to support active mobility
Reducing Demand

- **Suspension of non-essential services, schools and limiting access to public spaces.**
- Increase private car restrictions to circulate *(Hoy no Circula)*
- Additional permit for residents in parking meter areas
- Rescheduling of **bureaucratic procedures**
- **20% of stations closed** to reduce overcrowding and increase service level
  - 35 stations
  - 45 stations
  - 4 stations
REDUCING DEMAND: PUBLIC TRANSPORT

Decrease percentage compared to base rate (week 10)

<table>
<thead>
<tr>
<th>STC - SUBWAY</th>
<th>MB - BRT</th>
<th>RTP-TICKET</th>
<th>RTP-CARD</th>
<th>STE-LIGHT RAIL</th>
<th>STE-TROLLEYBUS</th>
<th>ECOBICI</th>
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Week 10 decrease percentage compared to base rate for various modes of public transport.
REDUCING DEMAND: VEHICLES

Percentage difference in vehicular traffic from March 2nd to June 12th 2020

- COVID
- Día Óptimo
- Semáforo Rojo
REDUCING DEMAND: PUBLIC BIKE SYSTEM

5K trips

32K trips
PROTECTING USERS AND TRANSPORT OPERATORS

**USERS**
- Compulsory use of face masks
- Hand sanitizer distribution
- 50% occupancy
- Physical distance for queuing
- Daily disinfection of trains and buses

**OPERATORS**
- At-risk individuals off-duty
- PPE
- Temperature checks
- Covid tests
- Checkpoints for concessioned transport

**SANITARY GUIDES**
- Transport operators of public and concession transport
- Transport users
- Biking users
- Freight transport and delivery services
PROTECTING USERS AND TRANSPORT OPERATORS
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PROTECTING: ROAD SAFETY

ROAD SAFETY

- Speed limit reduction
- Reprogramming of traffic lights
- Speed cameras
PROMOTING ACTIVE MOBILITY

ECOBICI

- Fully-digital services
- 60 min unlimited rides
- Daily disinfection of bikes and stations
- 30% assisting operational staff
- 70% working from home

CYCLING MOBILITY

- 6 massive bike parking facilities operating
- Daily access of bikes to the Subway after 10pm
- 55 km Open Streets and 9 bikeschools suspended
- Transit police protecting cycling infrastructure
3. HEALTHY MOBILITY
MEXICO CITY AND COVID-19
AVOID • SHIFT • IMPROVE
**EPIDEMIC COLOR SCHEME**

- **+65%**
  - Bicycle retail - essential activity
  - Parks at 30% capacity
  - Pop-up bike lanes

- **-65%**
  - Staggered working hours for industries
  - Local commerce
  - Professional services
  - Restaurants at 40%
  - Hotels at 30%

- **+50%**
  - All industries
  - Malls
  - Face-to-face government procedures
  - Restaurants and hotels 60%

- **-50%**
  - Schools
  - Malls
  - Government offices
  - Gyms
  - Bars

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GENERAL RULES

WHEN GOING OUT

Wearing face masks, always

Social distancing to stay 6 feet away from others

Recurrent hand-washing, using soap or hand sanitizer

Avoid touching eyes, nose, and mouth with hands

Covering mouth and nose when coughing or sneezing with the inside of the elbow (“etiquette sneezing”)

Be alert of symptoms, stay home and send an SMS to 51515

Watch for fever, cough, shortness of breath or any other COVID-19 related symptom.

TOGETHER, TAKE CARE OF AT-RISK POPULATION

Persons over 60 yo, pregnant women, persons with diabetes, obesity, hypertension, cancer or any other comorbidity
AVOID • SHIFT • IMPROVE
AVOID
Percentage difference in vehicular traffic from March 2nd to June 12th 2020

AVOID Hoy no circula
AVOID New way of working

- +65%
  - Essential activities
  - Staggered working hours
  - Higher risk groups

- -65%
  - Staggered working hours
  - Corporate mobility plans
  - Higher risk groups

- +50%
  - Corporate mobility plans
  - Higher risk groups - priority on transport

- -50%
  - Staggered working hours
  - Corporate mobility plans
  - Hygiene measures
GOVERNMENT SERVICES

- Priority to make all the bureaucratic processes digital, rethinking the government since 2019
- Avoiding unnecessary trips to public offices
- Healthy distances and disinfection measures in necessary face-to-face processes
SHIFT Pop-up bike lanes

**MBL1 Insurgentes**
- 40 km
- North - South connection
- One way / both sides

**MBL2 Eje 4 Sur**
- 14 km
- East - West connection
- One way

Largest avenue in the city
Connection with peripheral areas
SHIFT Pop-up bike lanes
SHIFT Pop-up bike lanes

PAINT

Reused material
SHIFT Pop-up bike lanes
SHIFT ECOBICI bike share

Free bikes all along the pop-up bikelane

Benefits for new users 50% discount and 1 free extra month for renewals

Welcome Kit
SHIFT Cycling Culture

1.5m
MÁS ESPACIO

RESPETO
COMPARTE LA VÍA

GUÍA CICLISTA DE LA CDMX
SHIFT Cycling Culture

ONLINE
BIKESCHOOL
IMPROVE
IMPROVE Public transport financing

**Funding** to face economical loses amidst the pandemic

Short run: improving service quality without increasing transport fees

Funding linked to a set of actions to motivate **regularization of units**, improve drivers’ **social welfare**, and increase **surveillance** through technology and a point-based behavior system

Non-compliance of minimum quality standards to provide the service result in losing these benefits
IMPROVE Public transit guidelines
IMPROVE MI TAXI App

App CDMX Section “My Cab”:

- Ride-hailing functionality
- Information about the identity of drivers, the car’s plate and the concession’s legal status
- Rating trips
- Sharing your trips with close people
- Panic button connected to the police department and street-cameras system in case of emergency
4. FROM CRISIS TO OPPORTUNITIES

MEXICO CITY + MOBILITY
MOBILITY PLAN 2019-2020

PUBLIC TRANSIT
Substitution program

TAXI
App + public funding for renewals

LIGHT RAIL TRAIN
Major maintenance

MOTORCYCLES
License regulations for road safety

PEDESTRIAN INFRASTRUCTURE
200 safe crossings 12,000 m² public space recovery

BICYCLE PARKING
6 bike parking facilities

BICITAXIS
Downtown pilot program

PRIVATE CARS
Mobility Plans

BRT
2 new lines (24 km)

NEW CYCLING INFRASTRUCTURE
167 km

FREIGHT
Comprehensive regulations

SUBWAY
Major maintenance New trains

RTP
278 new buses

ECOBICI BIKE SHARE
10,000 bikes and 750 stations

Trolleybuses
118 new ones

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CYCLING MOBILITY TO 2024

Accessible, safe, comfortable and functional infrastructure to travel along the city and connect with public transit

At least, **3% of the total trips should be made by bike in 2024**

600 km of cycling infrastructure

- 322 km mid 2020
- 98 km completed in 2019
- 69 km ending 2020

16 massive bike parking facilities

- 6 operating,
- 2 under construction
- 2 already bid for

10,000 ECOBICI bikes in 2024
OPPORTUNITIES

- Improve relations among different sectors
- Digital services
- Better mobility demand management
- Promote cycling and walking
- Improve supply chains
- Strengthen cities cooperation