

# MOBILITY + COVID 19

IN

# MEXICO CITY

**AVOID • SHIFT • IMPROVE**



**C40** ACTIVE AND SUSTAINABLE MOBILITY SERIES / JUNE 2020



GOBIERNO DE LA  
CIUDAD DE MÉXICO



MOVILIDAD  
INTEGRADA

# 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%



**WALKING -ONLY**  
32%



**CAR**  
19%



**SUBWAY**  
13%



**TAXI**  
5%



**BRT**  
2.3%



**PUBLICLY-  
OPERATED  
BUSES**  
1.2%



**TROLLEYBUS**  
0.4%



**SUBURBAN  
TRAIN**  
0.5%



**LIGHT RAIL  
TRAIN**  
0.3%



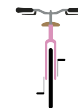
**MOTORCYCLE**  
1%



**MOTO-TAXI/  
BICYCLE-CAB**  
1.1%



**SCHOOL/OFFICE  
BUS**  
0.2%



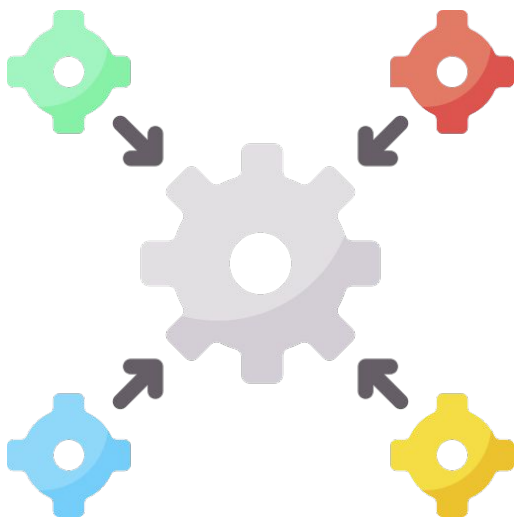
**BICYCLE**  
2.1%

**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**



# STRATEGIC MOBILITY PLAN

INTEGRATE • IMPROVE • PROTECT



# 2. HEALTHY DISTANCE

Mexico City + Mobility



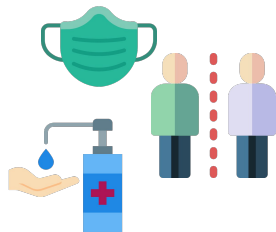
# COVID-19 CHALLENGES



**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

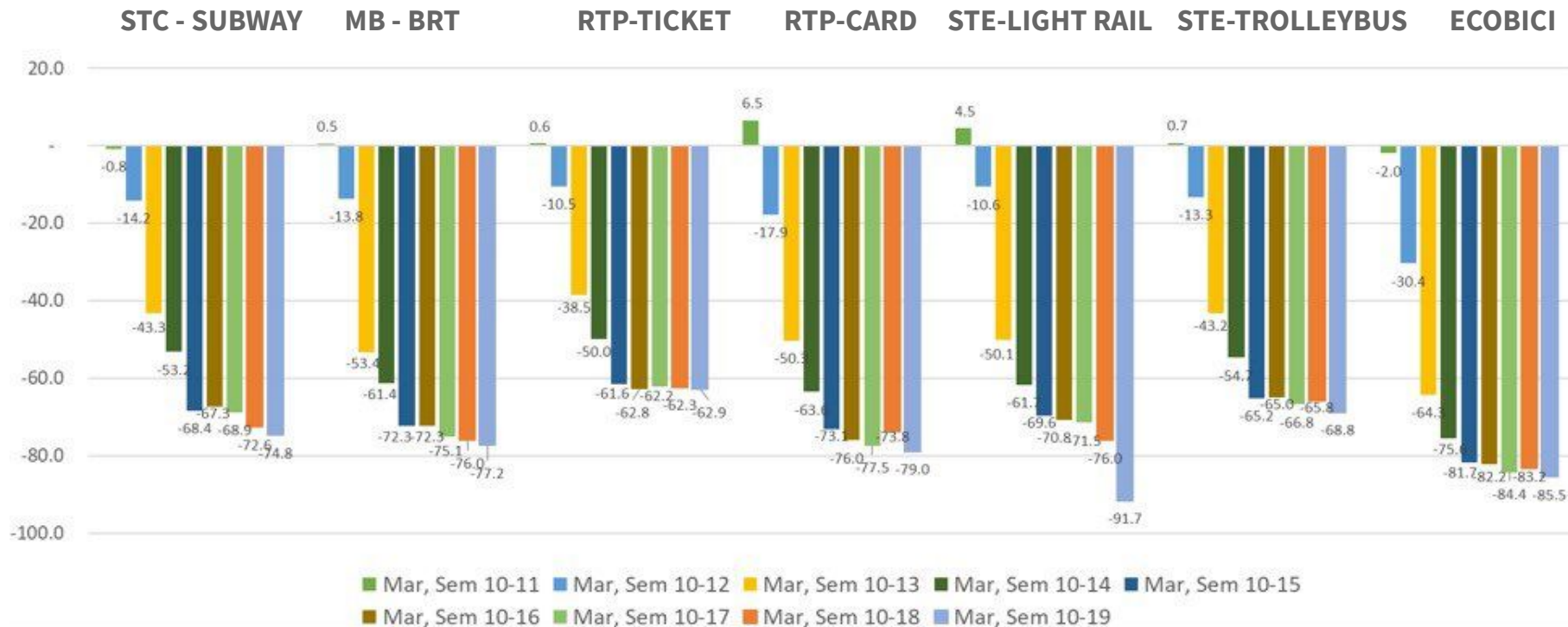


4 stations



# REDUCING DEMAND: PUBLIC TRANSPORT

Decrease percentage compared to base rate (week 10)

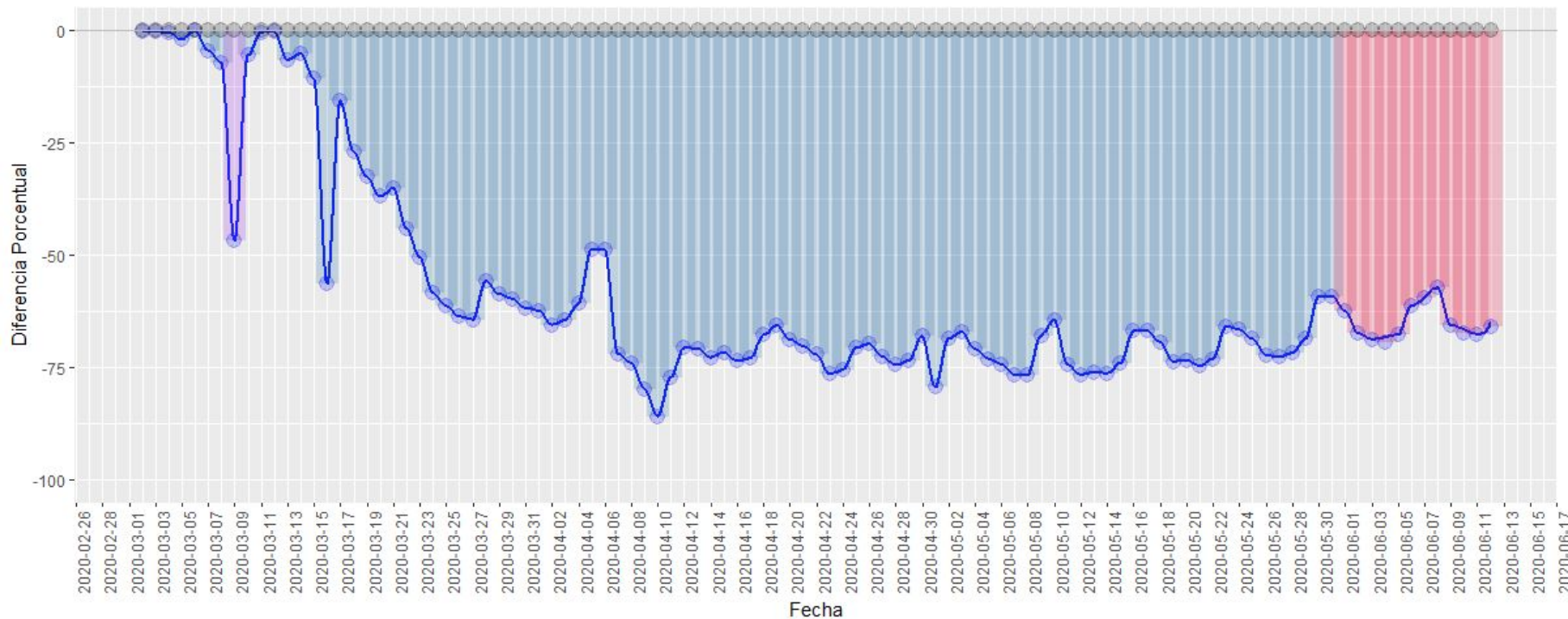


# REDUCING DEMAND: VEHICLES

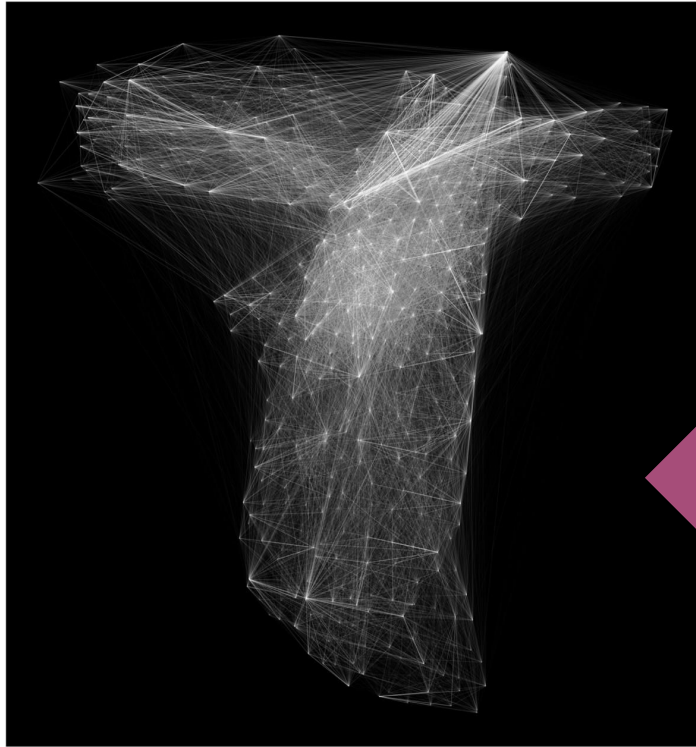
## Percentage difference in vehicular traffic

from March 2nd to June 12th 2020

COVID   Día Típico   Semáforo Rojo

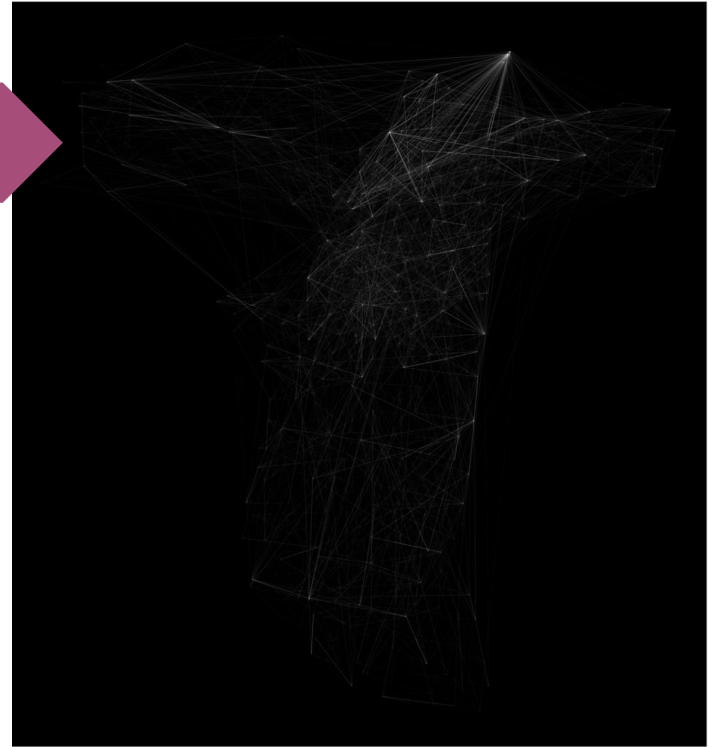


# REDUCING DEMAND: PUBLIC BIKE SYSTEM



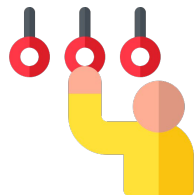
32K  
trips

5K  
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



# PROTECTING USERS AND TRANSPORT OPERATORS

**¡LA PREVENCIÓN ESTÁ EN MÍ!**



1. LIMPIA SUPERFICIES Y OBJETOS DE USO COMÚN
2. USA EL ESTORNUDO DE ETIQUETA
3. LAVA TUS MANOS CON FRECUENCIA
4. EVITA TOCAR TU CARA, OJOS Y BOCA CON MANOS SUCIAS
5. EVITA SALUDAR DE BESO Y MANO
6. EVITA SALUDAR DE BESO Y MANO

En caso de no tener oportunidad de lavarte las manos con tanta frecuencia, lleva contigo siempre un gel antibacterial al 70% de alcohol o un atomizador con alcohol para limpiar manos y superficies

**STMS covid19**  
Servicio anti COVID

**AMIGO OPERADOR,**  
Tu salud es muy importante para la Ciudad. Tanto para quienes usamos el transporte, como para la STMS. Todos los días, tu unidad está en contacto con muchas personas.

Por tu salud, la de tu familia y la de millones de personas usuarias, **súmate a estas medidas efectivas de prevención para minimizar el contagio de COVID-19.**

**LIMPIEZA PROFUNDA Y CONSTANTE CON CLORO, AGUA Y JABÓN**  
Al inicio de cada viaje al iniciar ruta y al finalizarla.  
(Énfasis en lugares de posible contacto (4 ve la imagen de abajo))

**VENTILACIÓN MÁXIMA**  
Asegura, en todo momento, la ventilación máxima de tu unidad (todas las ventanas abiertas).

**REDUCCIÓN DE CONTACTO AL MOMENTO DEL PAGO**  
Evita el pago de mano en mano o tocar validadores. Puedes usar una charolita de plástico.



**PARA ELIMINAR AL VIRUS COVID-19 NECESITARÁS**

**AGUA + JABÓN**  
Para lavar y retirar toda la bacteria, tierra, polvo y desechos

**POSTERIORMENTE, PULCRIFICAR LAS SUPERFICIES**

**CON CLORO**  
100 ml por cada litro de agua (volúmenes en una cubeta y cuenta 5 seg.)





# 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%

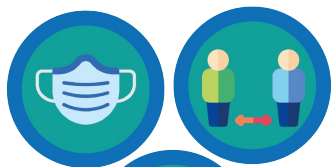


**- 50%**

Schools  
Malls  
Government offices  
Gyms  
Bars



# 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 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

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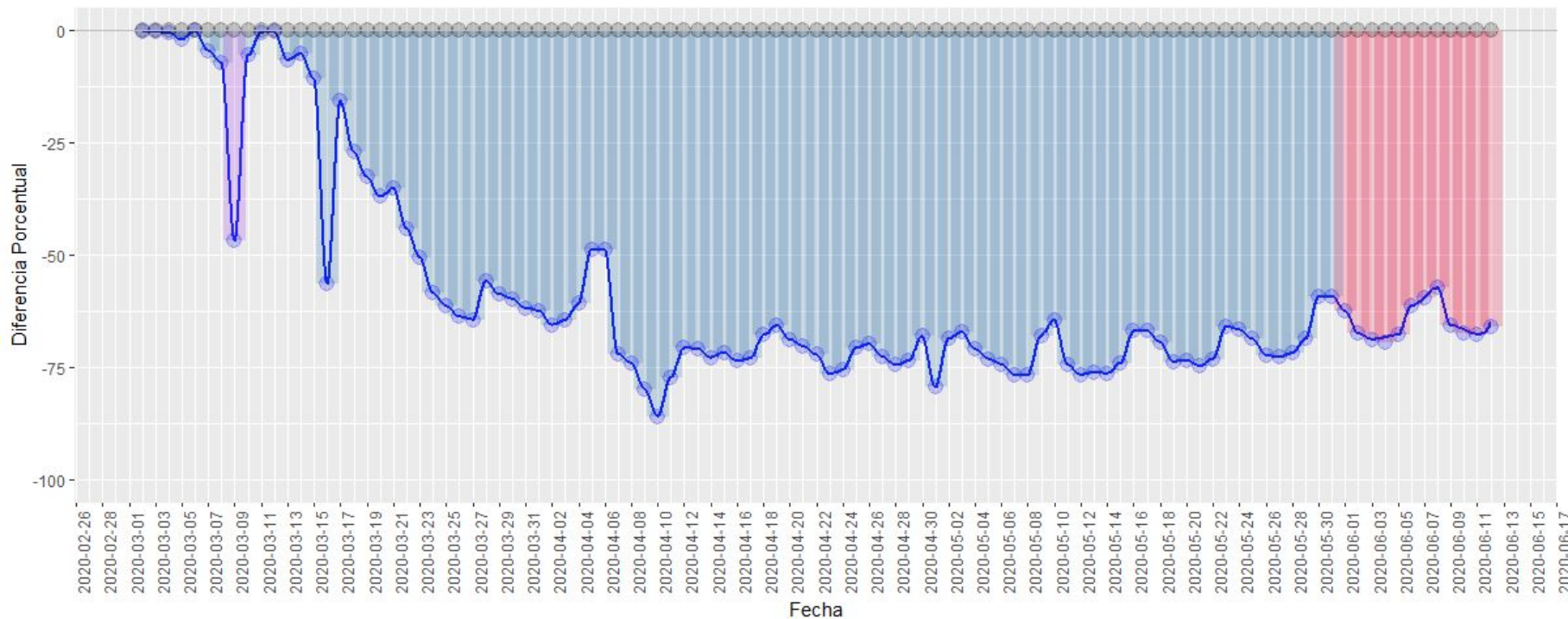


# AVOID Hoy no circula



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

COVID   Día Típico   Semáforo Rojo



# 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%**

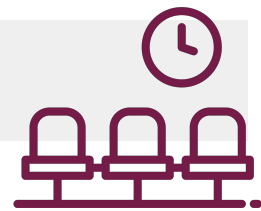
Staggered  
working hours

Corporate  
mobility plans

Hygiene measures



# AVOID Digital public services



## 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

Proceso: **ANTES**



Proceso: **AHORA**

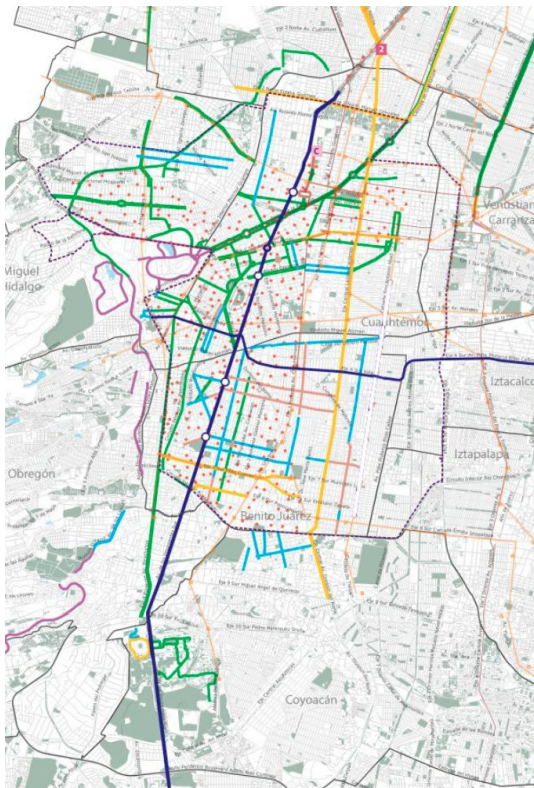


# SHIFT

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# SHIFT Pop-up bike lanes



## MBL1 Insurgentes



40 km



North - South



connection



One way / both sides

**Largest avenue in the city**



## MBL2 Eje 4 Sur



14 km



East - West



connection



One way

**Connection with  
peripheral areas**





# SHIFT Pop-up bike lanes



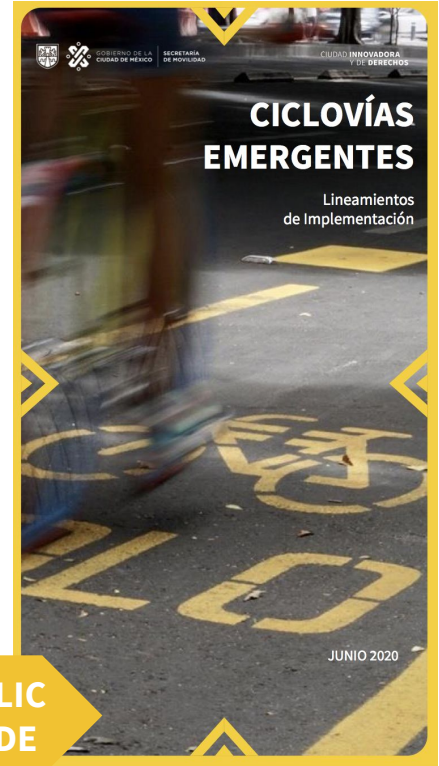


# SHIFT Pop-up bike lanes



PUBLIC  
WORKS

PUBLIC  
GUIDE



# SHIFT Pop-up bike lanes





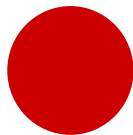
# SHIFT Pop-up bike lanes



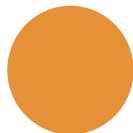
SUPERVISION



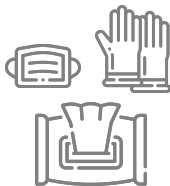
# SHIFT ECOBICI bike share



**Free bikes** all along the pop-up bikelane



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



**Welcome Kit**



## ECOBICI en la CiclovíaEmergente

Ven y conoce la nueva **Ciclovía Emergente** que parte de Álvaro Obregón a Eje 8. En ella encontrarás tres corrales de entrega donde podrás acceder a una bicicleta de **ECOBICI gratis con tu registro**



Para más información, comunícate a los teléfonos:  
**800 3262 421 | 55 5005 2424**

# 50%

**de descuento**

En tu inscripción  
anual ECOBICI



# SHIFT Cycling Culture



Manten una distancia segura cuando tengas ciclistas cerca.

#compartelavía



La base de la convivencia.  
#compartelavía



Hay suficiente espacio para todos.  
#compartelavía



# SHIFT Cycling Culture



ONLINE  
BIKESCHOOL

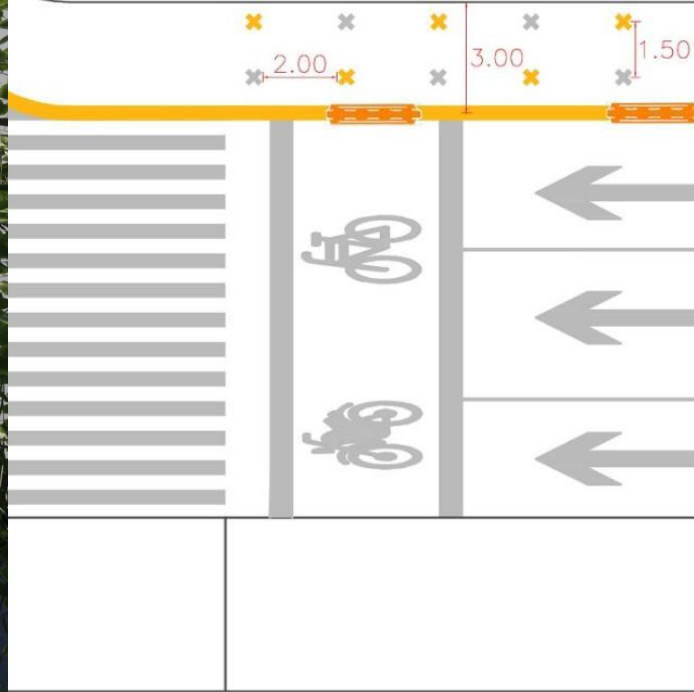




# SHIFT Parking to pedestrian spaces

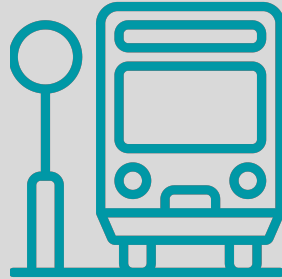


**BANKS  
ASSOCIATION  
PROGRAM**



# IMPROVE

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# IMPROVE Public transport financing

## SUBSIDIO A COMBUSTIBLE RUTA Y CORREDORES

LICITACIÓN PÚBLICA NACIONAL  
No. 30001062-002-2020



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

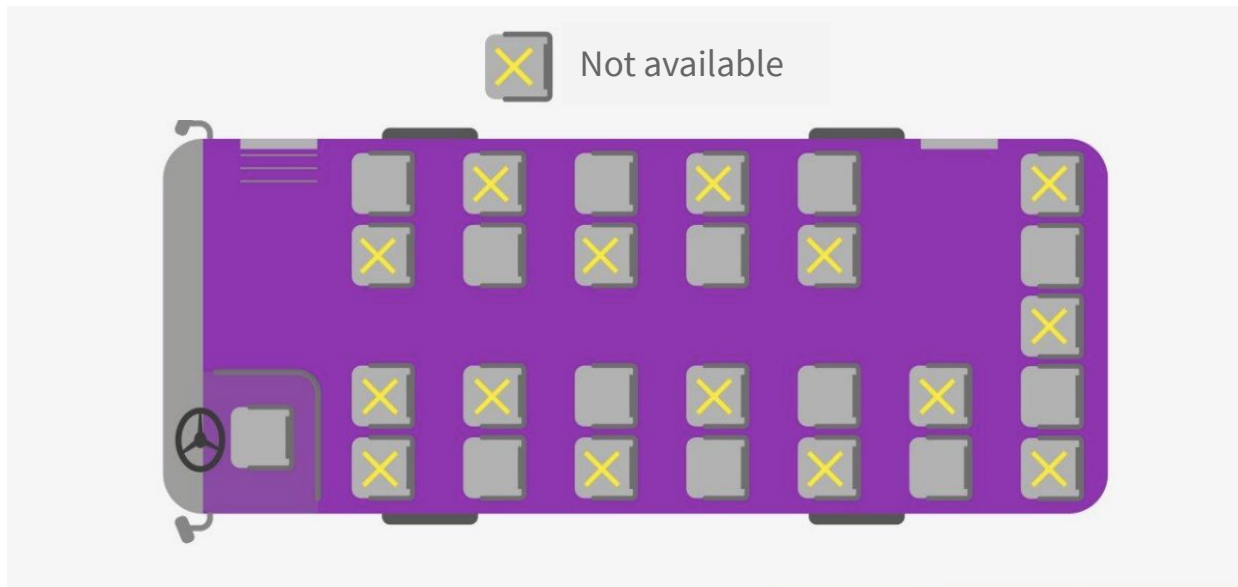
Short run: improving service quality without increasing transport fees

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



**BRT**  
2 new lines  
(24 km)



**BICYCLE PARKING**  
6 bike parking  
facilities



**BICITAXIS**  
Downtown pilot  
program



**PRIVATE CARS**  
Mobility Plans



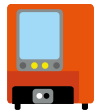
**RTP**  
278 new buses



**NEW CYCLING  
INFRASTRUCTURE**  
167 km



**FREIGHT**  
Comprehensive  
regulations



**SUBWAY**  
Major maintenance  
New trains



**Trolleybuses**  
118 new ones



**ECOBICI BIKE  
SHARE**  
10,000 bikes and  
750 stations



# 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 y**  
**2 already bid for**

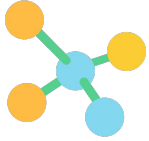


**10,000**

ECOBICI bikes in  
2024



# OPPORTUNITIES



**Improve relations among different sectors**



**Promote cycling and walking**



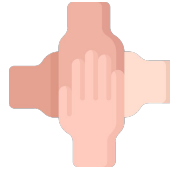
**Digital services**



**Improve supply chains**



**Better mobility demand management**



**Strengthen cities cooperation**



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