Bogotá

MOBILITY ANALYSIS

### Performance and resiliency

- **Congestion**
- **Public transport reliability**
- **Transport safety**
- **Integrated and shared mobility**
- **Air quality**

### Vision and leadership

- **Vision and strategy**
- **Investment**
- **Innovation**
- **Regulatory environment**
- **Environmental sustainability initiatives**

### Service and inclusion

- **Public transit supply**
- **Transport affordability**
- **Versatility**
- **Customer satisfaction**
- **Accessibility**

**KEY MOBILITY STATISTICS**

- **Public transport options**
  - Bus, bicycle

- **Monthly public transport pass**
  - US$40

- **GDP**
  - US$159 billion (2014)

**Principal transport authorities**

Ministry of Transport (Colombia), Secretary of Mobility of Bogota, TransMilenio SA

*Planned, financed, licensed, and monitored by principal transport authorities.

**JOURNEY MODAL SPLIT**

- **PRIVATE CAR**
  - 13%

- **PUBLIC TRANSIT**
  - 36%

- **WALKING**
  - 46%

- **BICYCLE**
  - 4%

- **OTHER**
  - 1%

**FUTURE OF MOBILITY CAPABILITY**

- **Significant work to do**
- **Passive environment, a number of barriers**
- **Proactive environment, some barriers**
- **Proactive environment, few barriers**

**STRENGTHS**

- Bus rapid transit (BRT) a key component of public transport, providing 2.2 million daily trips over 113 km
- Strong culture of walking and cycling, supported by government initiatives such as a partial ban on cars on specific routes
- A citywide network of 344 km of bicycle routes for daily commuting

**CHALLENGES**

- Overlapping of bicycle and pedestrian lanes in some parts of the city, leading to a confusing surface-transport network
- Speeding up the construction of the delayed metro project
- Developing a forward-looking transport plan for the next decade, as the population is set to increase beyond 10 million by 2025

**Analysis area:** 1,587 km²  |  **Population:** 8,181,047 (2018 estimated)  |  **Population density:** 5,155/km²

**Definition of analysis area:** Capital District
MOBILITY ANALYSIS FURTHER DETAILS:

**Performance and resilience**

Bogotá faces congestion issues, even though trips made by car constitute only 13 percent of journeys, due to the limited road network. The region's transport is currently based on a BRT system run by private operators.

- Bogotanos lose almost two work weeks per year in traffic. Congestion is caused by a lack of road infrastructure such as automated signaling and traffic management systems.
- Multiple bus operators use the TransMilenio-owned rapid transport lanes, and there are Integrated Public Transport System (Sistema Integrado de Transporte Público or SITP) buses as well. The average waiting time is around 20 minutes, one of the highest among Latin American cities.
- The region has an integrated transport card, accepted by all BRT operators and SITP buses, which may be expanded to include the metro once it is operational. The number of ridesharing and carsharing firms is gradually increasing.

**Vision and leadership**

Funding for the delayed metro project was approved in 2017. The metro is projected to save 1 billion hours by 2052 via reduced commuting time. Bogotá is Deloitte for its sustainability initiatives, which have led to 50 percent of trips being made through active modes of transport.

- The 24-km Bogotá Metro project is taking shape, with operations slated to start in 2020. The Colombian government and the Bogotá City Council have funded a total investment outlay of US$4.1 billion.
- Bogotá has been expanding its zero-emission bus fleet since 2013, when it introduced 200 hybrid buses on the TransMilenio network. Since 2017, it has moved toward a fully electric bus fleet.
- Bogotá has been running the “Ciclovía” program since 1974, whereby the city restricts cars on 121 km of roads on public holidays and weekends.

**Service and inclusion**

Accessibility and low customer satisfaction are areas of concern for the bus-based public transport system, which requires rapid expansion to meet increasing demand.

- With an average urbanization rate of 4.5 percent per year, Bogotá's transport has started to reach the saturation point. The TransMilenio network needs to be expanded to cater to new suburban regions surrounding the city.
- According to a 2015 survey, 80 percent of Bogotanos were not satisfied with the TransMilenio network due to high crime rates, overcrowding, and waiting times of up to 45 minutes at some stations during rush hour. Innovative solutions, such as mobile-based occupancy apps, could help by showing bus stops and the inside of buses.
- Few buses are suitably equipped for the disabled. The TransMilenio network has better accessibility, with revolving doors and ramps.

**SUMMARY**

According to a city government report, rapid urbanization is going to be the biggest challenge for the region in the coming years. Bogotá's public transport will have to provide 10.5 million trips per day by 2030. To address this, the government is investing in a new metro system to complement the existing BRT system. The city has launched multiple sustainability initiatives to improve active modes, but it needs robust urban and traffic planning to differentiate pedestrian, cycling, and car lanes. The city does have an open data policy but it is still nascent. Bogotá can also start to look into urban solutions based on data analytics to streamline road traffic.

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As we receive feedback, we will update and expand the analysis, which may mean the results shown in this document may change.

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