

Best Practices in Bus Rapid Transit

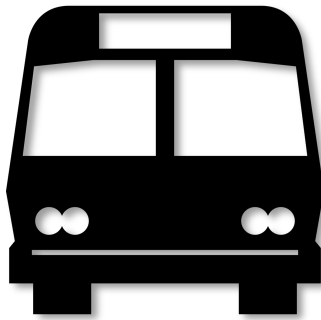
Benjamin de la Peña

Director/Community and National Strategy

The John S. and James L. Knight Foundation

Why BRT?

<6K



BUS

12K



LIGHT RAIL

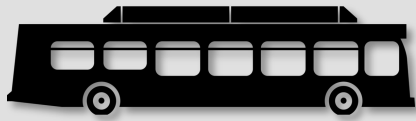
>12K



METRO

PASSENGERS PER HOUR PER DIRECTION

BUS



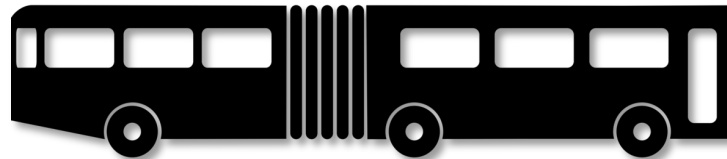
6,000 PASSENGERS PER HOUR PER DIRECTION

LIGHT RAIL



15,000

BUS RAPID TRANSIT



3,000

60,000

METRO



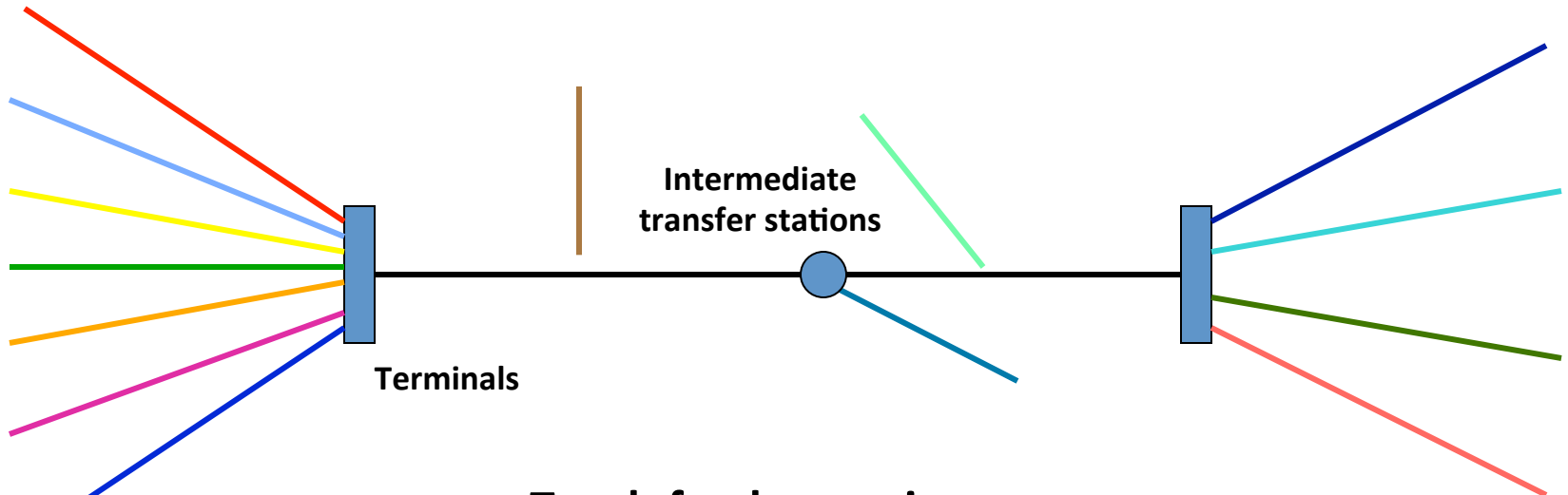
35,000



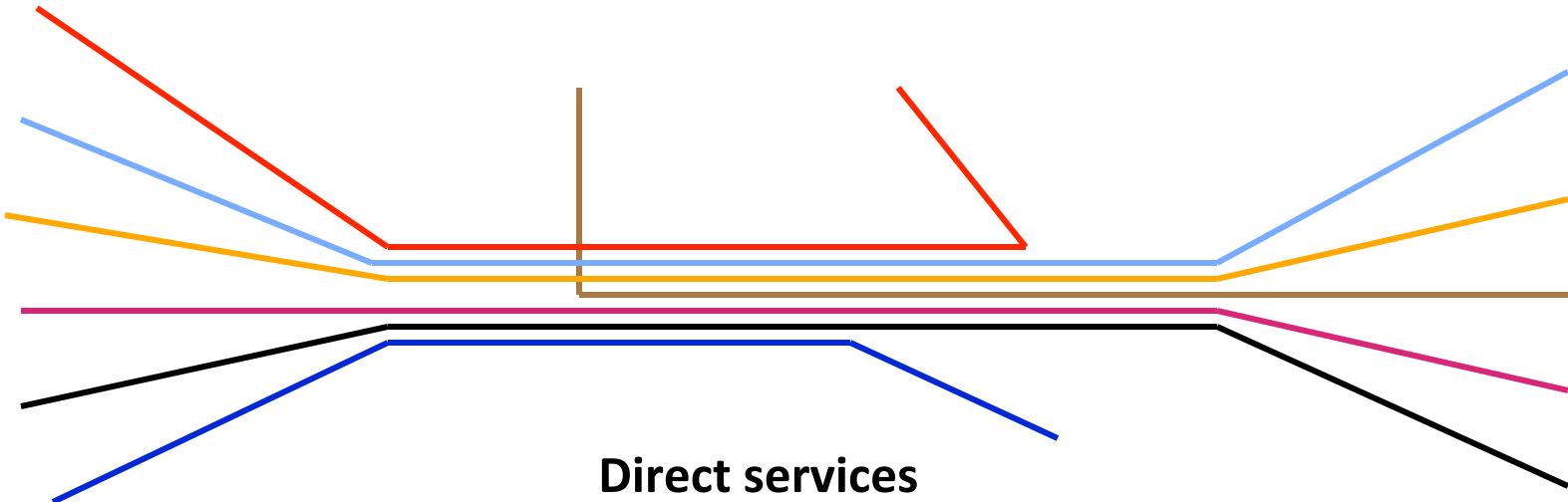


Metrobus (Line 4): Historic City Center, Downtown Mexico City

Direct Services



Trunk-feeder services



Direct services

This is NOT
Bus Rapid Transit...



RapidRide: Seattle, Washington



Select Bus Service: New York, New York



Silver Line: Boston, Massachusetts



Gold: 85 points or above



Silver: 70–84 points



Bronze: 50–69 points

The BRT Standard
www.brtstandard.org

Elements of Gold Standard BRT

Dedicated Right-of-Way Median Alignment



Transmilenio: Bogota, Colombia



Quito, Ecuador



Las Vegas, Nevada: Strip-Downtown Express (SDX)



Transmilenio: Bogota, Colombia

Off-board Fare Collection



Metrobus: Mexico D.F., Mexico

Platform-level Boarding



Curitiba, Brazil



Curitiba, Brazil



EMX: Eugene, Oregon

High Quality Stations



Belo Horizonte, Brazil



Rea Vaya: Johannesburg, South Africa



Passenger Information Systems



Ahmedabad, India

Buses with wide doors



Transmilenio: Bogota, Colombia

Shared Infrastructure



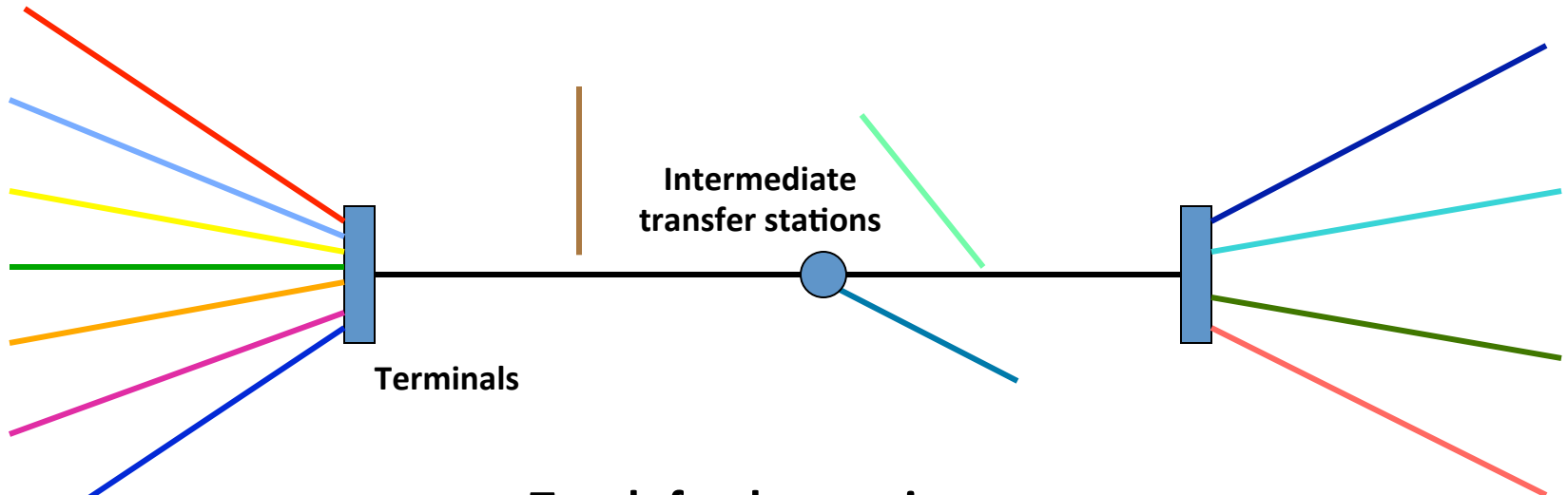
MyCiTi: Cape Town, South Africa



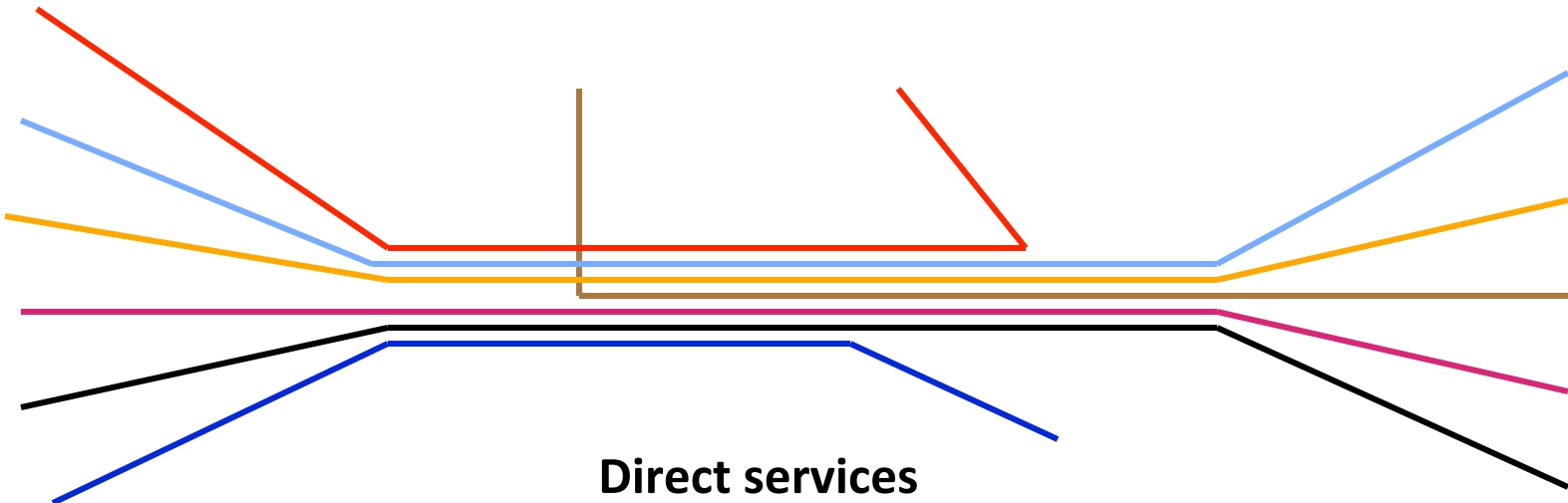
Orange Line: Los Angeles, California

Service Planning

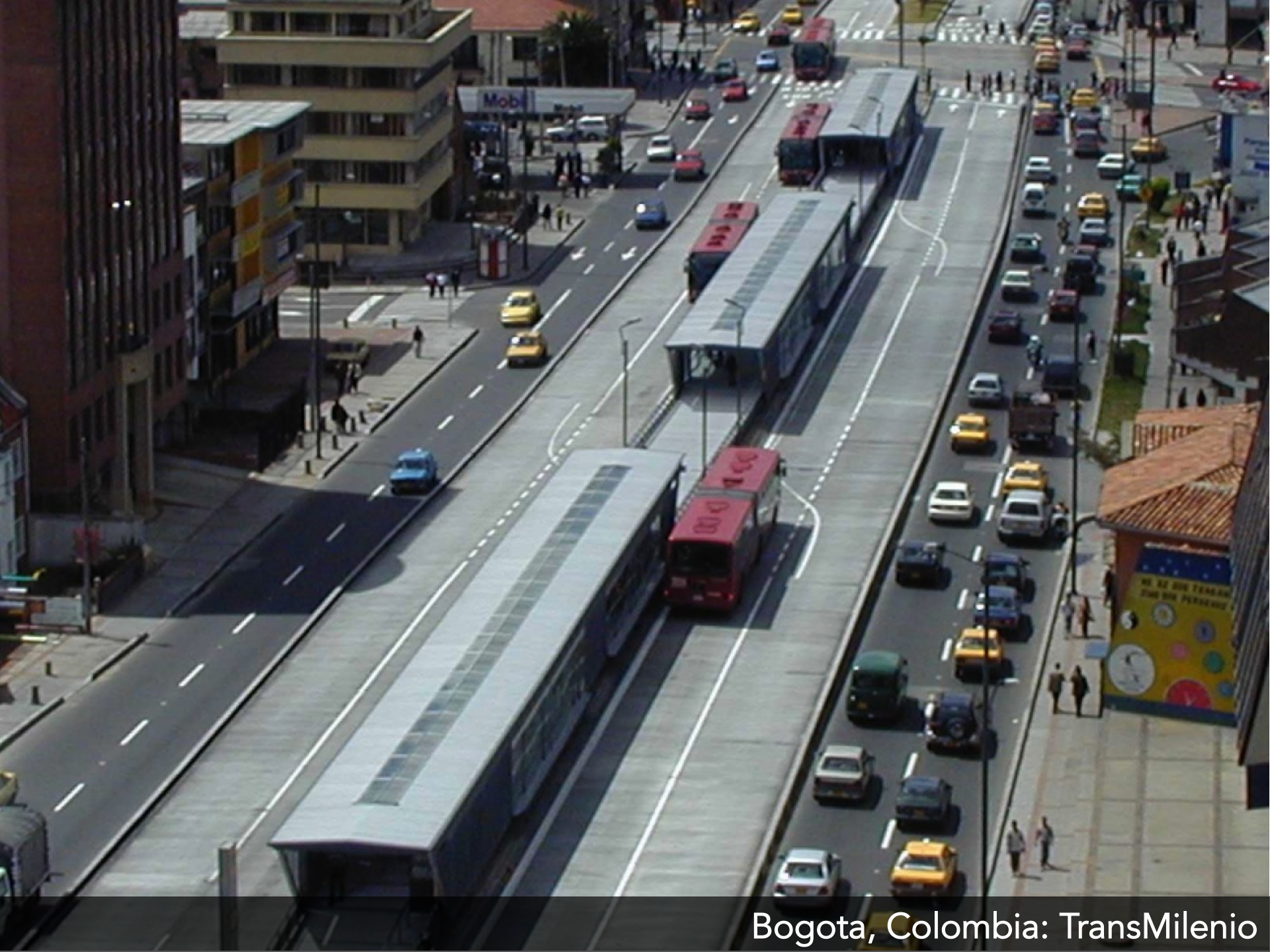
Direct Services



Trunk-feeder services



Direct services



Bogota, Colombia: TransMilenio

Dedicated lanes
in the most congested areas



Transmilenio: Bogota, Colombia

A few more thoughts

Curb-side alignment
doesn't work

> Parked vehicles block the bus lane





> Turning movements
reduce bus speeds

Two most important criteria
that drive the
most successful BRTs...

Ridership

Put it where you have
the largest number of
current bus riders



Bus Speeds

Put it in the routes
most affected by congestion

0490

HEIGHT
10'-6"

MASSPIKE

NEWTON CRNR



Or you get...





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with thanks to:
ITDP
EMBARQ