





Metro Vision 2028



Attractive

• Safe / secure

Comfortable

Real time info

• First/last mile

• Easy fare payment

Clean

NextGen

- NextGen is an essential component of Metro's vision to build a comprehensive World Class Transportation System
- A competitive bus system that is fast, frequent, reliable & accessible
- Increased ridership
- Providing riders the best possible experience

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NextGen Working Group

Your journey with us...

March 2018	May 2018	July 2018	Sept. 2018	April 2019	May 2019
Overview of	Travel patterns	Challenges and	Service concepts	Practical	Metro Equity
study	Attitudes and	opportunities that exist with Metro's	and policy choices	applications of the data, service	Platform manifestation
Listening session	preferences	current bus	Close examination	concepts and	and reflection in
to get a baseline understanding of	Additional insights	system	of individual Service Council	design considerations	the bus network redesign
constituent needs	, in the second s	Market analysis	area needs		
		Evaluation criteria	Trade-offs		

We're Reaching 10 Million+ People Equitably



Public input led to service concepts

44	Routes 4 & 704 are too long.		Shorten route lengths
44	Need more connections in San Gabriel Valley.	_	Use subarea transit hubs
44	The 81 bus always gets stuck in traffic.	-•	Introduce transit-supportive infrastructure
	Create more Rapid buses with only 3 stops.	-•	Fix hybrid Local/Rapid stop spacing
	Build stops that take me to the Gold Line.	-•	Reroute to reflect travel patterns
-	Add service between uptown Whittier & Puente Hills Mall.		Coordinate with municipal service providers

Tools in the Toolbox

Based on what we heard, the data analytics, and the service evaluation...

Fix	Increase	Simplify	Reallocate	Optimize
Align travel patterns with travel propensity	Increase # of routes operating frequently	Make the network easier for riders to understand	Align schedules for midday, evening and weekend riders	Consolidate Rapids/Locals into single service
Develop service tiers	Assure all fixed-route service are 30			Consolidate stops
e a transition de la company	minutes or better			
Establish seamless connectivity with	headways			
local Municipal	Create standardized			
Operators	frequencies by service tier			

Tools in the Toolbox

Based on what we heard, the data analytics, and the service evaluation...

All of these network design strategies are applied through an <u>equity lens</u>

with travel propensity

Develop service tiers

Establish seamless connectivity with local Municipal Operators unders

re all fixed-route

Create standardiz frequencies by service tier and weekend rid

Consolidate Rapids/Locals into single service Consolidate stops

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Translating Lessons Learned Into Service Concepts

least once in the past year

Minimize discontinued segments Fast/Frequent/Reliable service is key

Create a competitive transit network

Metro's current system is not always competitive to get people where they want to go

84% of LA County residents have used transit at

Build a network that reflects travel today & tomorrow

The greatest opportunity to grow ridership is between midday & evening when many trips are short distance

Improve service for midday, evening & weekend

Need to integrate Metro's Equity Framework into the planning process

Provide better service in equity-focused areas

% of LA County residents have used transit in the last year.



Fast, Frequent & Reliable Service is Key



Goals

- Create a competitive transit network
- Assure service is no more than 2.5x slower than driving

Metro's current system is not always competitive to get people where they want to go **All Trip Origins Transit Origins** (cell phone data) (TAP data) 50K - 100K 7.5M – 13M 30K – 50K 5M – 7.5M 2.5M - 5M 15K - 30K 650K - 2.5M 5K – 15K 250K – 650K 0 – 5K





















Reach Map

Where can I go from... Huntington Park Shopping District @ 2:00PM (Florence and Pacific) In... **Population** Jobs < 15 min 10,022 40,747 < 30 min 264,040 70,643 285,136 894,304 < 45 min 1,990,799 728,671 < 60 min (cumulative)













The greatest opportunity to grow ridership is between midday & evening when many trips are short distance ⁴⁹

Transit Market Share

Increasing our transit share of short distance trips to 6% means <u>500,000</u> new trips



The greatest opportunity to grow ridership is between midday & evening when many trips are short distance 35%



Improving Frequency

Weekdays

Percentage of Riders



Improving Frequency

Weekends

Percentage of Riders



Ridership Growth

Weekday ridership expected to grow systemwide by 15-20%



Incorporating Metro's Equity Framework is key

Title VI/EJ protects minority & low-income groups

Metro and the NextGen Plan goes beyond Title VI/EJ by considering additional needs and ensuring positive outcomes





Infrastructure

The Metro experience should be worldclass for all parts of the network.
Metro's Top Corridors

...include both bus & rail

Top 15 Corridors Top 15 Corridors Top 15	
61,218Wilshire-Whittier33,474E Line (Expo Line)29,187E Line54,030E Line (Expo Line)32,224A Line (Blue Line)28,902A Line43,235Vermont30,640Gold Line23,813Gold I42,108Gold Line30,211Vermont23,747Verm30,240Western21,347Western16,867Santa30,240Western20,434Santa Monica16,696Wester27,101Sunset-Alvarado20,161Avalon14,540Sunset26,416Santa Monica19,456Sunset-Alvarado13,918Avalo25,616Orange Line17,012Green Line13,855Green25,227Avalon16,242Hollywood-Pasadena13,421Hollyw23,442Hollywood-Pasadena16,203West Third12,779West	ire-Whittier e (Expo Line) e (Blue Line) Line ont a Monica ern et-Alvarado on n Line wood-Pasadena Third ez-Garvey

The Metro Customer Experience



Speed & Reliability

Walk up & ride

Fast, reliable, & predictable

Consistent & simple routing



Stop Access & Waiting

Easy to find & access Comfortable, convenient, & well-informed

Secure



Boarding & Riding

Fast all-door boarding Smooth, quiet ride On-board information

1. Speed & Reliability



Optimizing Terminals

Focus regional mobility coordination

Improve bus service predictability & reliability

Reduce unnecessary operating cost

New electric charging infrastructure



2. Stop Access & Waiting

Stop Access & Waiting



Far-side stops



Comfort & Information

Bus shelters & seating Real-time information Neighborhood maps



Security

Pylons with locator lights Emergency beacons Video monitoring Streamlined incident response Night-time courtesy drop-offs

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These improvements are outlined in Metro's Transfer Design Guide & reflect key findings in Metro's Understanding How Women Travel Report.





NextGen stop consolidation provides short walks, shorter waits, & faster travel.

3. Boarding & Riding

Boarding & Riding



All-Door Boarding

Fast boarding Easy fare payment



Boarding Access

Level platforms Precision docking No ramps



On-Board Info

Next stop announcements



Zero-Emissions

Quieter Smoother Better acceleration Green travel

Implementing the Tools

Metro will..

Optimize stop spacing Perform dedicated line management Choose headway-based operations Assure all-door boarding Use zero emission buses

Both can work together to...

Improve stop amenities Assure level platform boarding Enhance security

Cities & Counties can install...

Bus lanes Bus bulbs & islands Transit signal priority

Transit First Improvements



Capital Improvement Costs



Infrastructure & Operations \$750 M 2 Stop Access & Waiting

> Stop Upgrades \$150 M



Boarding & Riding

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All-Door Boarding \$100 M

Phasing Improvements





With NextGen, the vast majority of riders will be able to get to their destinations faster, more easily, & with a nicer ride.





Comparing the					
Alternatives	Existing Conditions Today	Scenario A Reconnect	Scenario B Transit First	Scenario C Future Funding	
RESOURCES (REV. HRS)	7 MILLION	7 MILLION	7 MILLION	9.4 MILLION	
High-Frequency Lines (weekday) Every 10 min or better	16	28	29	46	
High-Frequency Lines (weekend) Every 10 min or better	2	14	14	19	
People w/walk access to high-frequency service	900,000	2.15m	2.17m	2.96m	
People w/walk access to high-frequency service (weekend)	630,000	1.14m	1.18m	1.49m	
Ridership Increase	0	+5-10%	+15-20%	+25-30%	
% riders who lose convenient walk access to transit	0	0.3%	0.3%	0.3% 54	

