



NEXTGEN Bus Plan

Item #22
NextGen Bus Plan



Metro[®]

October 2020

Key Components of Service Plan



Re-baseline Route Network

- Simplify routing that better links people to where they want to go



Establish Service Tiers

- Make frequencies throughout the day consistent within each service tiers

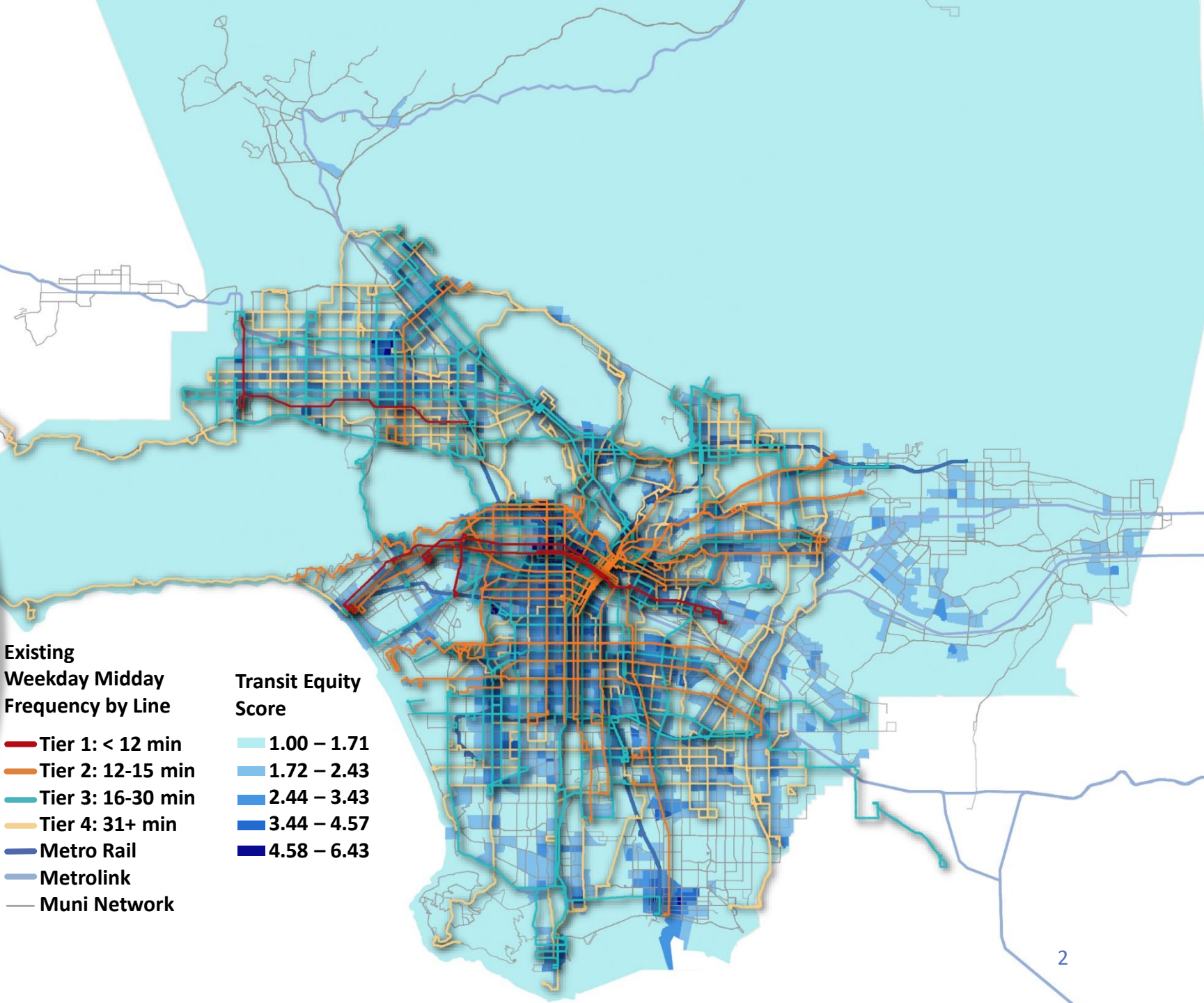


Improve total trip time

- Shorter walks, shorter waits for short distance trips
- Faster speed with transit priorities and a simplified network for long distance trips

Transit Equity Areas

Existing Service



Existing
Weekday Midday
Frequency by Line

- Tier 1: < 12 min
- Tier 2: 12-15 min
- Tier 3: 16-30 min
- Tier 4: 31+ min
- Metro Rail
- Metrolink
- Muni Network

Transit Equity
Score

- 1.00 – 1.71
- 1.72 – 2.43
- 2.44 – 3.43
- 3.44 – 4.57
- 4.58 – 6.43

Transit Equity Areas

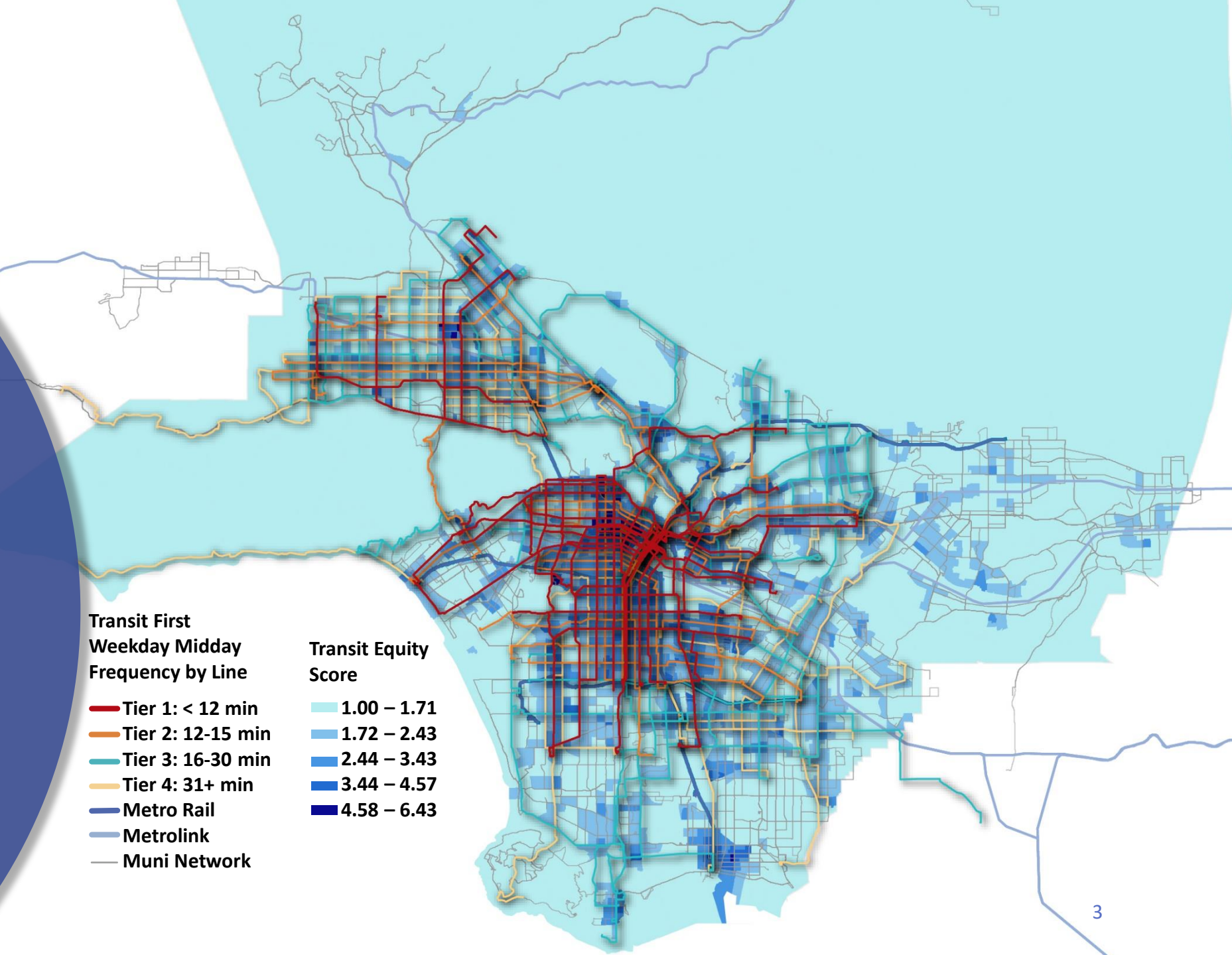
Transit First

Transit First Weekday Middy Frequency by Line

- Tier 1: < 12 min
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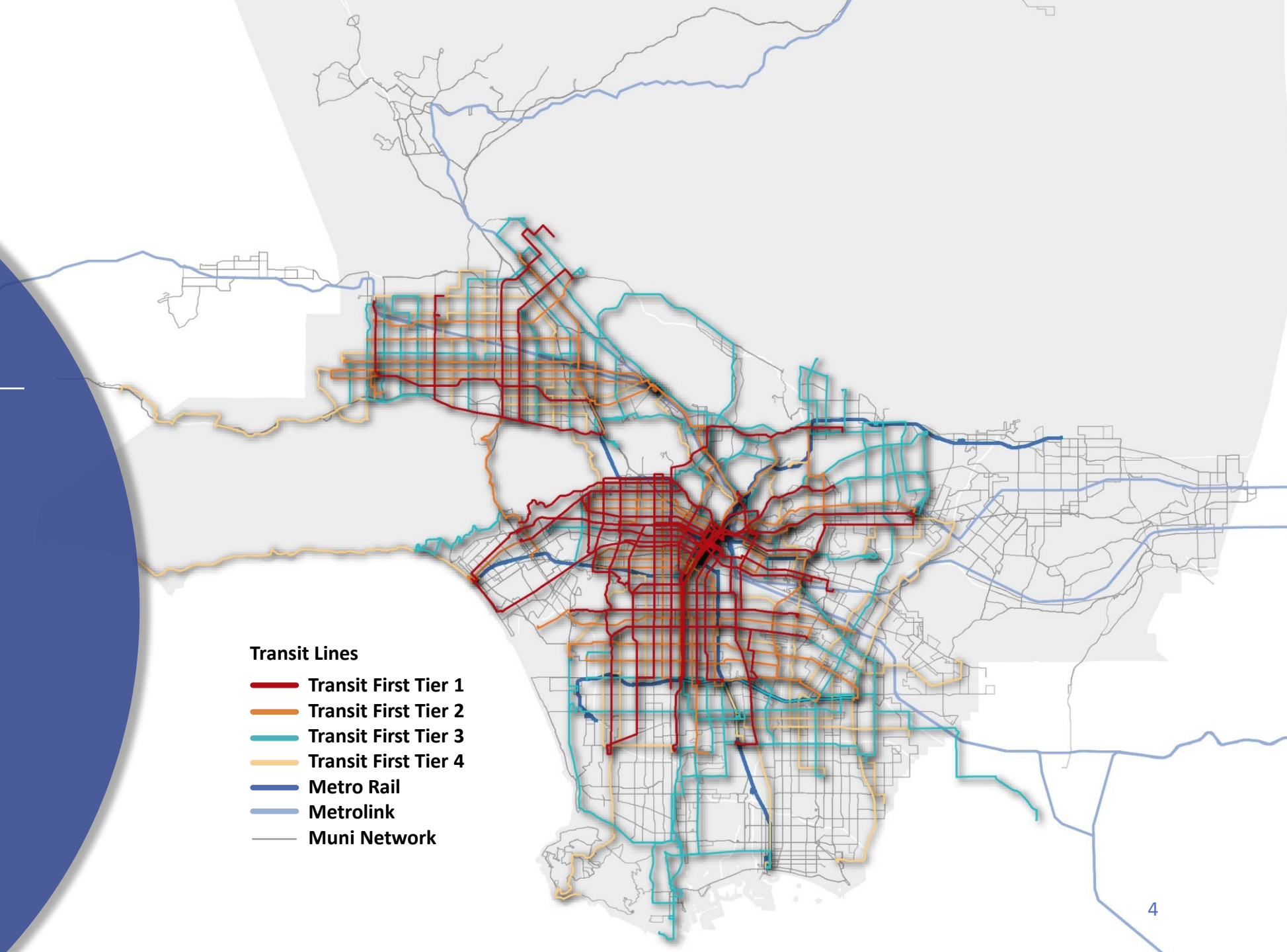
Transit Equity Score

- 1.00 – 1.71
- 1.72 – 2.43
- 2.44 – 3.43
- 3.44 – 4.57
- 4.58 – 6.43



Transit First Network by Tier

- Transit Lines**
- Transit First Tier 1
 - Transit First Tier 2
 - Transit First Tier 3
 - Transit First Tier 4
 - Metro Rail
 - Metrolink
 - Muni Network



Extensive Public Outreach

(January-September 2020)



General Comments–Draft Plan (01 /20)

- **Widespread support**
 - For improved frequencies, especially off peak
 - Merging of Rapid/Local services on key corridors
 - Speed improvements
- **More information needed**
 - Regarding bus stop consolidation
- **Some concerns**
 - With lost service coverage
 - Convenience (need to transfer)

Public Hearings Participation and Input

Next Gen Public Hearing Participation	Listened by Phone	Viewed Livestream	Viewed Archive
8/19: San Fernando Valley	8	91	5
8/20: South Bay Cities	8	27	21
8/22: All Regions	19	64	21
8/24: San Gabriel Valley	8	107	16
8/26: Westside Central	20	102	0
8/27: Gateway Cities	13	70	5
Totals	60	461	68
Total Participation			589

Next Gen Public Comment Period 7/1/2020 - 8/27/2020	
Phone	27
eComments during hearings	118
Email	128
Virtual Workshop	14
USPS	5
Total Comments Received	292

Updated Bus Plan

- **35 changes made based on Public Workshops & Hearings, On-Line Feedback Received, Service Council Input, etc.**
- **Changes focused on restoring coverage and some one-seat rides in areas of concern**
- **MicroTransit will serve some low utilization areas**
- **Kept core service plan intact (high frequency corridors)**

Title VI Equity Analysis

- A Title VI Service Equity Analysis required to be conducted for any changes meeting the agency's definition of a major service change
- Board approved Title VI equity policies
 - Disparate Impact may occur if Impacted Minority population is 78.5% (5% or greater than Minority Population of 73.5%)
 - Disproportionate Burden may occur if Impacted Low Income population is 22.0% (5% or greater than low income population of 17.0%)
- Analysis conducted for Weekday, Saturday, Sunday by
 - Line/Line Group
 - Service Type
 - Service Council Area

Impacts by Service Type for Title VI

Service Type	Weekday		Saturday		Sunday	
	Significant	Adverse Impact	Significant	Adverse Impact	Significant	Adverse Impact
Local	No	No	No	No	No	No
Express	No	No	No	No	No	No
Shuttle	No	No	No	No	No	No
Rapid	Yes	Disproportionate Burden	Yes	Disproportionate Burden	Yes	Disproportionate Burden
Transitway	No	No	No	No	No	No

Disparate Impact – When a significant adverse service change impacts a population whose minority share is more than 5% greater than the service area average

Disproportionate Burden – When a significant adverse service change impacts a population whose low income share is more than 5% greater than the service area average

Impacts by Service Council Area for Title VI

Service Council	Weekday	Saturday	Sunday
	Adverse Impact	Adverse Impact	Adverse Impact
Gateway	No	No	No
South Bay	No	No	No
San Fernando Valley	No	No	No
San Gabriel Valley	No	No	No
Westside	No	No	No

Disparate Impact – When a significant adverse service change impacts a population whose minority share is more than 5% greater than the service area average

Disproportionate Burden – When a significant adverse service change impacts a population whose low income share is more than 5% greater than the service area average

Impacts by Line/Line Group for Title VI

112 Line/Line Groups Analyzed:

- Disparate Impacts identified as follows:
 - Weekday Lines 40/740, 83, 202, 209, 239, 252, 254, 442, 501, 611, 612
 - Saturday Lines 2/200, 30, 40/740, 78/79/179, 83, 252, 254, 611, 612,, 744
 - Sunday Lines 28/684, 30, 611, 612, 252, 744

Mitigations include new frequent network on same alignment or in close proximity, Muni operator, new MicroTransit service, and key corridor consolidations, as well as adjusted service based on demand.

Line/Line Group	Day Type	Title VI Mitigation
2/200	Saturday	Lines 2 and 4
28/684	Sunday	New Line 684, frequent L Line Gold, Bus Line 81
30	Saturday, Sunday	Frequent network (west end)/L line Gold/Bus Line 106 (east end)
40/740	Weekday, Saturday	Lines 40, 212
78/79/179	Saturday	Lines 78, 179 commensurate with demand
83	Weekday, Saturday	L Line Gold, Bus Lines 81 and new Line 182
202	Weekday	Line 202 (Artesia-Willowbrook + Lines 205, 232, 246 + Long Beach Transit Lines 1, 52, 191, 192)
209	Weekday	Line 209 (144 th /Crenshaw-Crenshaw Expo Line) + Line 210
239	Weekday	Line 239 (Ventura-Rinaldi) + Line 236 San Fernando Mission
252	Weekday, Saturday, Sunday	Lines 182, 251, MicroTransit (Lincoln Heights)
254	Weekday, Saturday	Frequent network proximity (Lines 55, 60, 110, 111, 115, 117, 251, 605, 665), new MicroTransit
442	Weekday	Frequent Lines 115, C Line Green connecting to J Line (Silver)
501	Weekday	Frequency adjusted consistent with demand
611	Weekday, Saturday, Sunday	New Line 611, extended Line 102, overlap or proximity of Lines 55, 60, 105, 111, 260
612	Weekday, Saturday, Sunday	Frequent network proximity (Lines 55, 60, 111, 115, 117, 251, 260, 261), new MicroTransit
744	Saturday, Sunday	Lines 233, 240, 761

NextGen Implementation

December 2020

- Begin implementing routing changes to the network
- Balance loads while building most of the Tier 1 and 2 lines to a base of 15 min or better all day service

June 2021

- Majority of NextGen routing changes
- Increase frequency on Tier 1 lines to 10-12 min or better and improve weekend service

December 2021

- Complete NextGen routing changes
- Increase frequency on Tier 1 and 2 lines to 7-10 min and 10-12 min, respectively and continue to improve weekend service



**Thank
You!**



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