

# Regional Connector Service Plan

October 2020



Metro

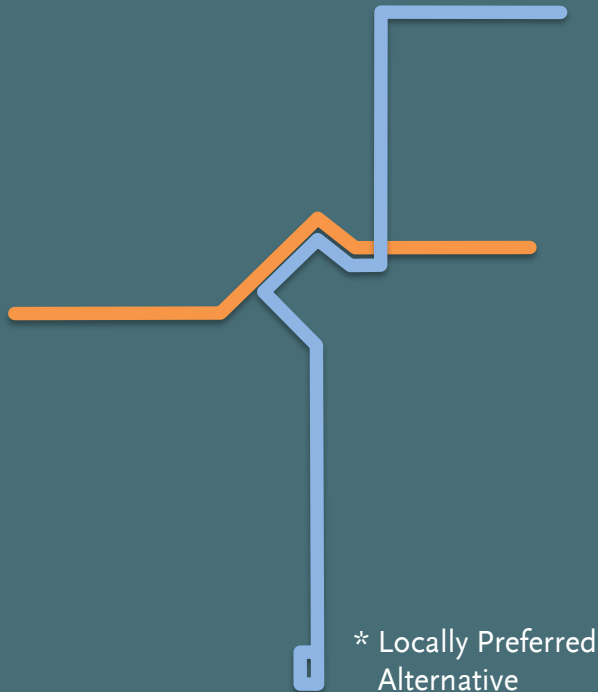
# Purpose

- Purpose – Validate Locally Preferred Alternative (LPA) as continued to be supported by stakeholders and the community through the environmental and construction phases.
- Criteria for validating alternatives include:
  - Travel patterns to/from each segment
  - Network simplicity
  - Headway consistency
  - On Time Performance
  - Peak vehicle requirement
  - Revenue vehicle hours

# Service Scenarios

Three primary service scenarios being evaluated:

Alt A: Long Beach – Azusa,  
Santa Monica – Atlantic\*



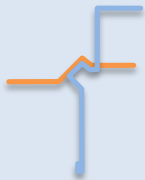


Alt B: Long Beach – Atlantic,  
Santa Monica – Azusa



Alt C: Long Beach – Atlantic/Azusa  
Expo – Atlantic/Azusa



# Network Simplicity: Wait and Transfers

Alternative	Route	Initial Wait	Transfer	Total
<b>A</b> 	Santa Monica - Atlantic	3	0	3
	Santa Monica - APU/CC	3	3	6
	Long Beach - Atlantic	3	3	6
	Long Beach - APU/CC	3	0	3
<b>B</b> 	Santa Monica - Atlantic	3	3	6
	Santa Monica - APU/CC	3	0	3
	Long Beach - Atlantic	3	0	3
	Long Beach - APU/CC	3	3	6
<b>C</b> 	Santa Monica - Atlantic	6	0	6
	Santa Monica - APU/CC	6	0	6
	Long Beach - Atlantic	6	0	6
	Long Beach - APU/CC	6	0	6

# Headway Regularity

Alternative	Percent of Scheduled Headway (NB/EB)						
	100%	110%	120%	130%	140%	150%	Greater
<b>A</b>	55%	73%	82%	87%	90%	92%	8%
<b>B</b>	57%	71%	78%	82%	85%	87%	13%
<b>C</b>	53%	67%	75%	81%	85%	88%	12%
<b>Current</b>	69%	81%	87%	92%	95%	97%	3%

Alternative	Percent of Scheduled Headway (SB/WB)						
	100%	110%	120%	130%	140%	150%	Greater
<b>A</b>	60%	75%	83%	87%	90%	92%	8%
<b>B</b>	59%	73%	79%	83%	86%	88%	12%
<b>C</b>	57%	71%	79%	84%	87%	89%	11%
<b>Current</b>	67%	78%	85%	90%	93%	96%	4%

- Alternative A performs the best for regularity of headways
- No alternative performs as well as current because traffic signal delays on Blue and Expo will spread to Gold Line

# Service Plan Recommendation

## Alternative A (Long Beach – Azusa, Santa Monica – Atlantic)

- Approved as Locally Preferred Alternative
- Significant outreach and support for Alt A
- Simple to understand (and operate) network that minimizes wait and transfer times
- Performs best in headway regularity
- Second least costly operations
- Opportunities to improve upon Alternative A with train delay mitigations

# Implementation Recommendation

- Implement Alternative A (Long Beach – Azusa, Santa Monica – Atlantic) which is the Locally Preferred Alternative (LPA).
- Initially implement in-line schedule recovery before the junction to improve the headway regularity of service running through the Regional Connector.
- Continue to work with LADOT to reduce street signal delays on the Blue and Expo Lines near Downtown LA so that in-line schedule recovery can be minimized or eliminated.

# Questions?