

Fullerton



Garden Grove



Anaheim



Santa Ana

Central Harbor Boulevard Transit Corridor Study

Virtual Open House



Today's Meeting

- Welcome/Introductions
- Project Overview
- Draft Alternatives
- Outreach Plan/Next Steps

Background

- January 2016
 - Corridor Definition
 - Mobility Problems
 - Goals and Objectives
 - Previewed Alternatives Development
- Project Definition phase
 - 9 Alternatives on Two Corridors:
 - Harbor Boulevard
 - Lemon Street-Anaheim Boulevard

Updates Since Last Meeting

- Anaheim Rapid Connection Project
- Harbor Study extended and Katella Avenue added
- Study will now evaluate 12 alternatives:
 - 5 alternatives along Harbor
 - 4 alternatives along Anaheim-Lemon
 - 3 alternatives along Katella.



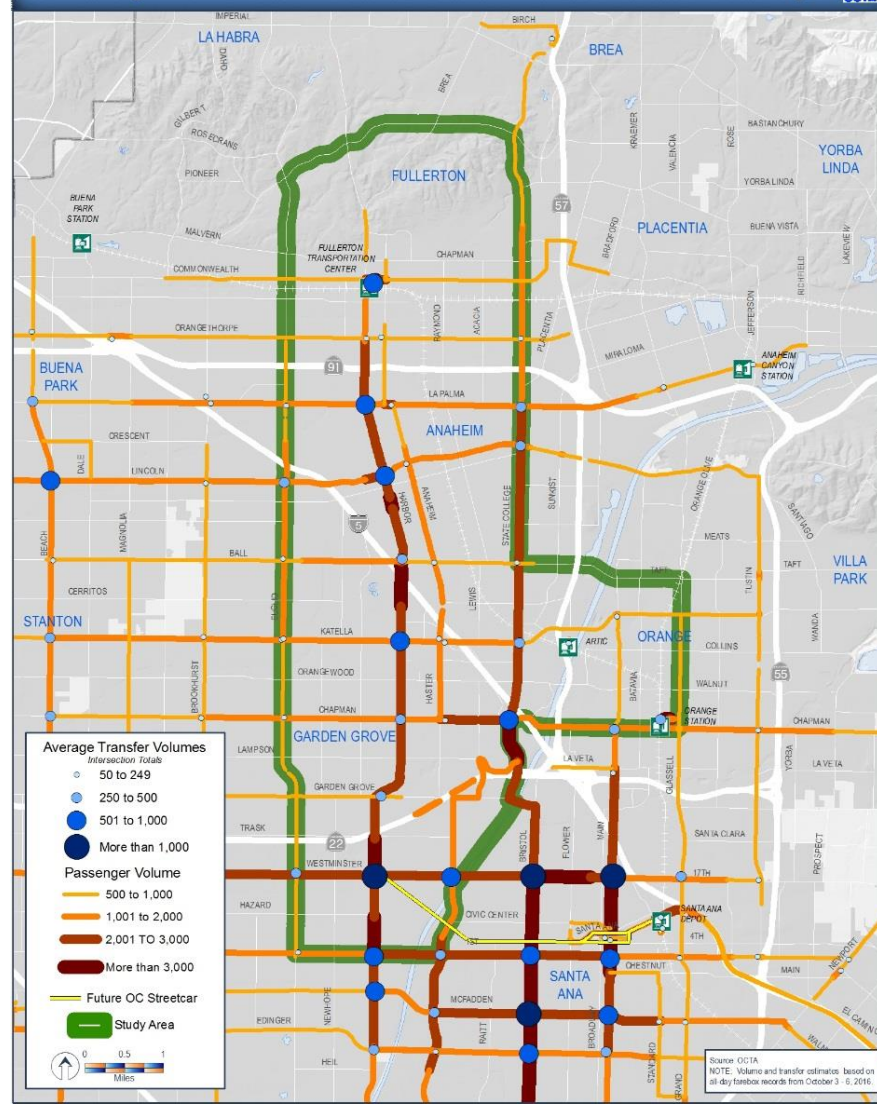
Study Phases & Schedule

- Purpose and Need Aug 2015-Dec 2016
- Outreach 1 Feb-Apr 2016
- **Alternatives Development Feb 2016-Apr 2017**
- **Outreach 2 Feb-Apr 2017**
- Alternatives Evaluation Apr-May 2017
- **Draft Final Report Jul 2017**

Mobility Needs

- Highest transit usage
- Commute-focused trips
- 27 Million annual visitors
- More development planned
- Central north-south transit spine

Passenger and Transfer Volumes - Harbor Corridor Study



Evaluation Criteria

Transit/ Roadway Performance

*How long does it take to get to my destination?
Is the bus or streetcar usually on time?
Does it encourage more people to ride?*

Land Use

*Does the new bus or streetcar compliment nearby land uses?
Does it help the local economy and support jobs?
Is it environmentally friendly?*

Connectivity

*Does the bus or streetcar take me to major destinations?
Can I reach my destination without having to make more than one transfer?
Can I walk or ride my bike to/from a station?*

Corridor Constraints

*Does the project affect our roads and traffic?
Does the project make our streets safer?
Does it compliment my neighborhood?*

Mode Choice/User Experience

*Does the project encourage more people to ride transit and drive less?
Does it benefit people without cars?
Are stops/stations safe and attractive?*

Cost Effectiveness

*Is the project a good use of local public funds?
Does the project do a good job of balancing costs and benefits?
Are there other sources of funding available?*

Community Support

OCTA will pursue a project that has broad support from public and all stakeholders.

Which are most important to you?

Mode/Feature Options

Enhanced Bus



- Shares lanes with other cars
- Receives priority at traffic signals and uses bypass lanes at intersections
- Includes state-of-the-art stops with ticket machines
- Carries around 70 people
- Project Cost: \$

Bus Rapid Transit



- Includes all Enhanced Bus features, but travels on a dedicated bus-only lane
- Carries around 120 people in a longer, 60-foot bus
- Project Cost: \$\$

Streetcar



- Shares lanes with cars but travels on its own track embedded in the road
- Powered by overhead wires
- Includes modern stops with ticket machines and allows riders to board from front or rear doors
- Carries up to 150 people (3x as much as regular buses)
- Project Cost: \$\$\$

“Rapid” Streetcar



- Includes all Streetcar features, but uses a dedicated streetcar-only lane
- Faster than a regular streetcar or bus
- Project Cost: \$\$\$\$

Which option appeals to you?

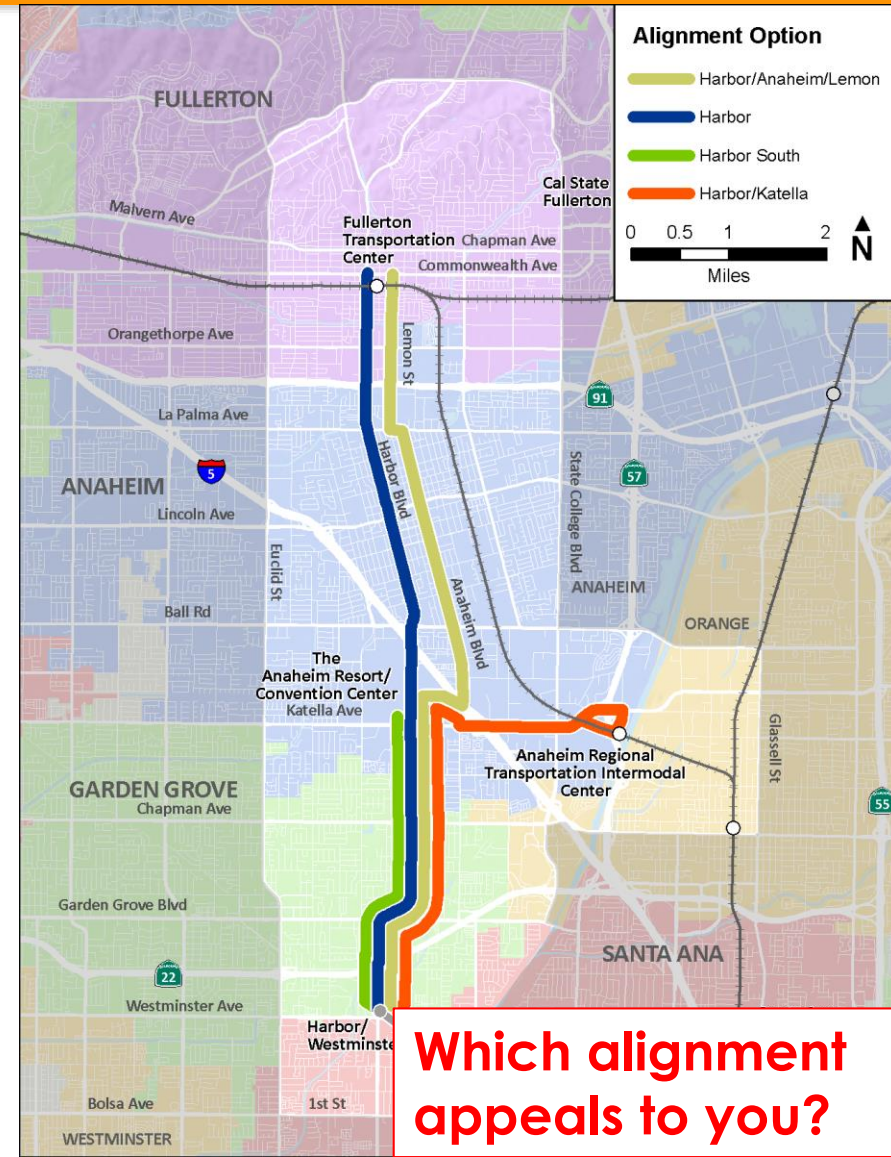
Alignment Options

Route:

- Harbor Boulevard (Downtown Fullerton-Westminster Ave)
- Lemon St-Anaheim Blvd (Downtown Fullerton-Katella Ave)
- Katella Avenue (Anaheim Resort-ARTIC)

Terminus Options:

- Downtown Fullerton
- CtrCity Anaheim
- ARTIC
- The Anaheim Resort
- Harbor Blvd/Westminster Ave



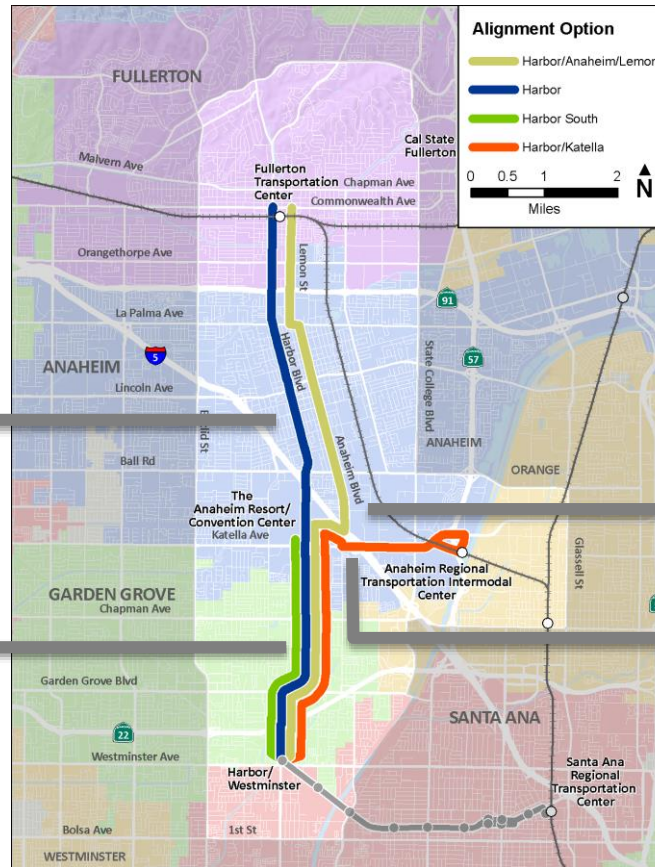
12 Draft Alternatives

HARBOR LONG

- H-2: Harbor Long Streetcar
- H-3: Harbor Rapid Streetcar
- H-4: Harbor Enhanced Bus
- H-5: Harbor Bus Rapid Transit

HARBOR SHORT

- H-1: Harbor Short Streetcar



ANAHEIM/LEMON

- L-1: Anaheim/Lemon Streetcar
- L-2: Anaheim/Lemon Rapid Streetcar
- L-3: Anaheim/Lemon Enhanced Bus
- L-4: Anaheim/Lemon BRT

KATELLA

- K-1: Katella Streetcar
- K-2: Katella+ Anaheim/Lemon Enhanced Bus
- K-3: Katella + Harbor Hybrid

Which alternative appeals to you?

No Build Alternative

Alignment:

Harbor South

Anaheim/Lemon

Harbor North

Katella

Mode:

Enhanced Bus

Streetcar

Bus Rapid Transit

Rapid Streetcar

Changes to Existing OCTA Bus Service:

Harbor Local 43

Anaheim/Lemon Local 47

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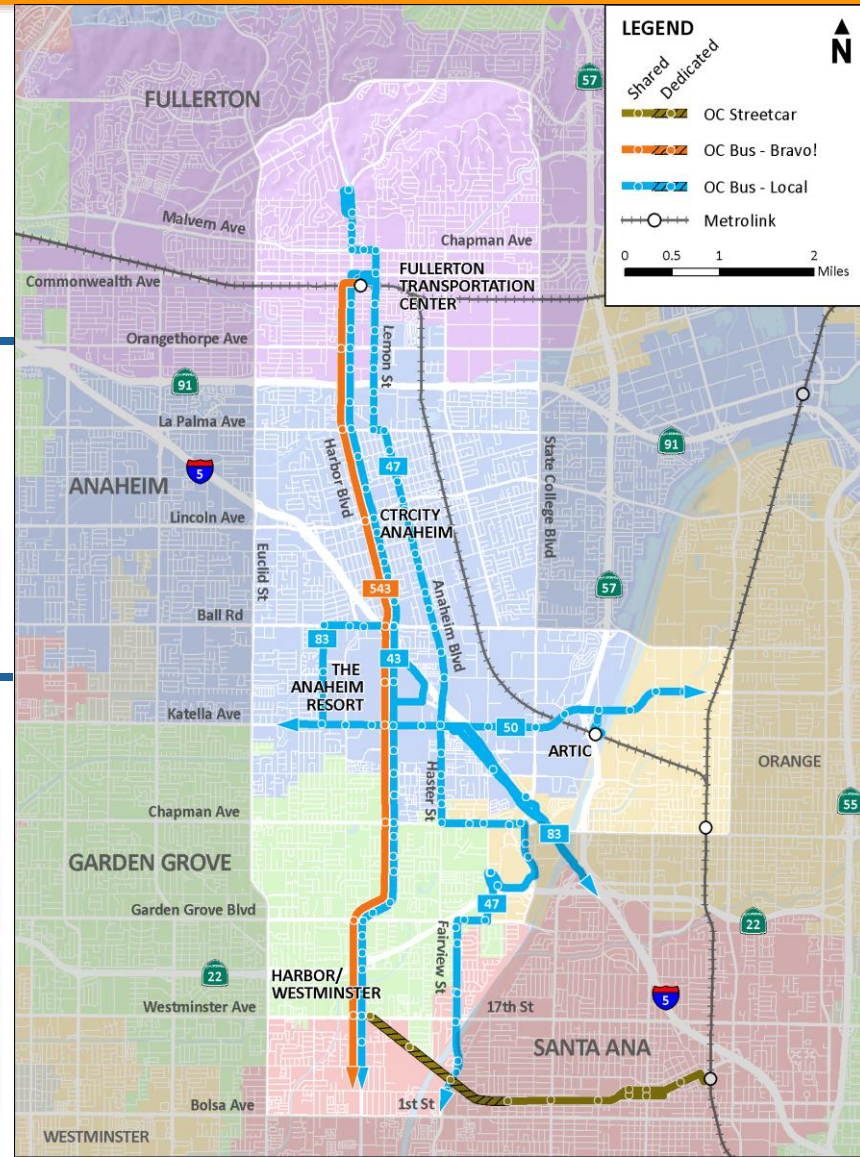
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Harbor Bravo! 543

Katella Local 50

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H-1: Harbor Short Streetcar

Alignment:

Harbor South

Anaheim/Lemon

Harbor North

Katella

Mode:

Enhanced Bus

Streetcar

Bus Rapid Transit

Rapid Streetcar

Changes to Existing OCTA Bus Service:

Harbor Local 43

Anaheim/Lemon Local 47

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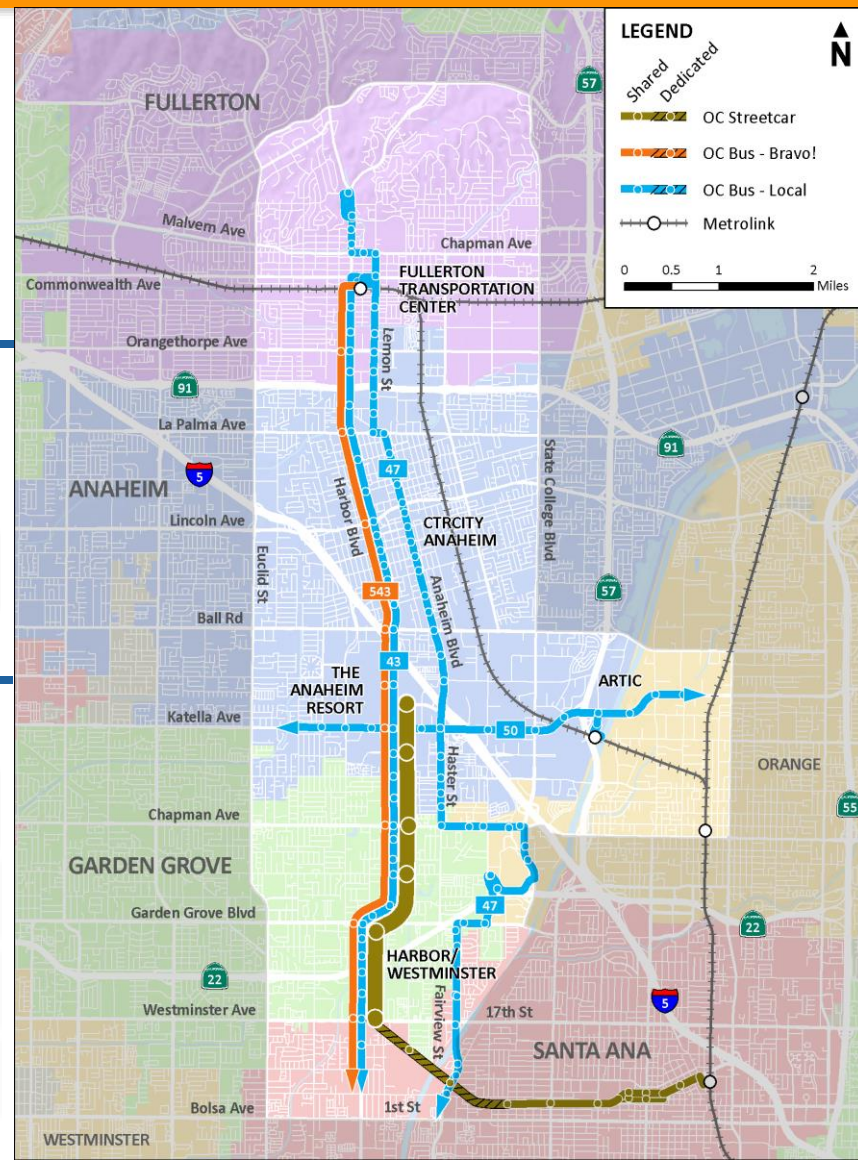
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Katella Local 50

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H-2: Harbor Long Streetcar

Alignment:

Harbor South

Anaheim/Lemon

Harbor North

Katella

Mode:

Enhanced Bus

Streetcar

Bus Rapid Transit

Rapid Streetcar

Changes to Existing OCTA Bus Service:

Harbor Local 43

Anaheim/Lemon Local 47

Enhanced S of Westminster

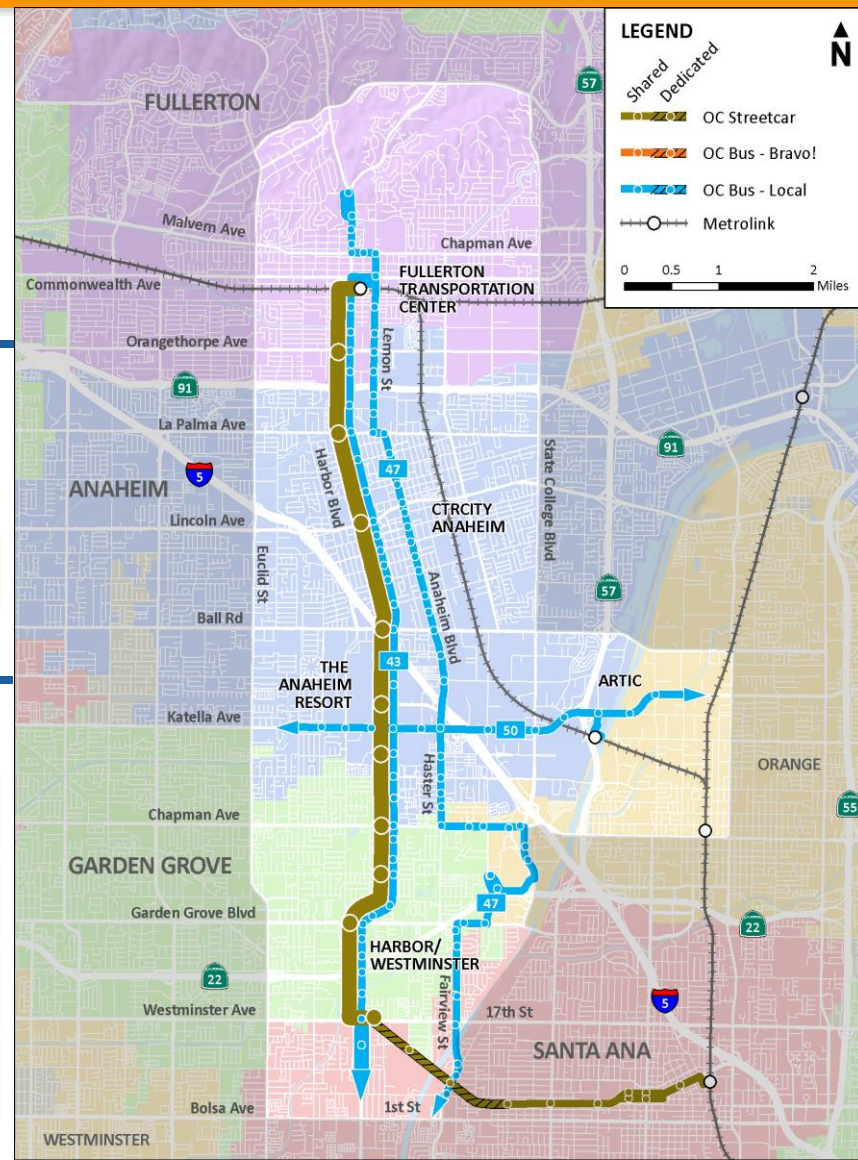
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Harbor Bravo! 543

Katella Local 50

Discontinued

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H-3: Harbor Rapid Streetcar

Alignment:

Harbor South

Anaheim/Lemon

Harbor North

Katella

Mode:

Enhanced Bus

Streetcar

Bus Rapid Transit

Rapid Streetcar

Changes to Existing OCTA Bus Service:

Harbor Local 43

Anaheim/Lemon Local 47

Enhanced S of Westminster

Unchanged

Harbor Bravo! 543

Katella Local 50

Discontinued

Unchanged



H-4: Harbor Enhanced Bus

Alignment:

Harbor South

Anaheim/Lemon

Harbor North

Katella

Mode:

Enhanced Bus

Streetcar

Bus Rapid Transit

Rapid Streetcar

Changes to Existing OCTA Bus Service:

Harbor Local 43

Anaheim/Lemon Local 47

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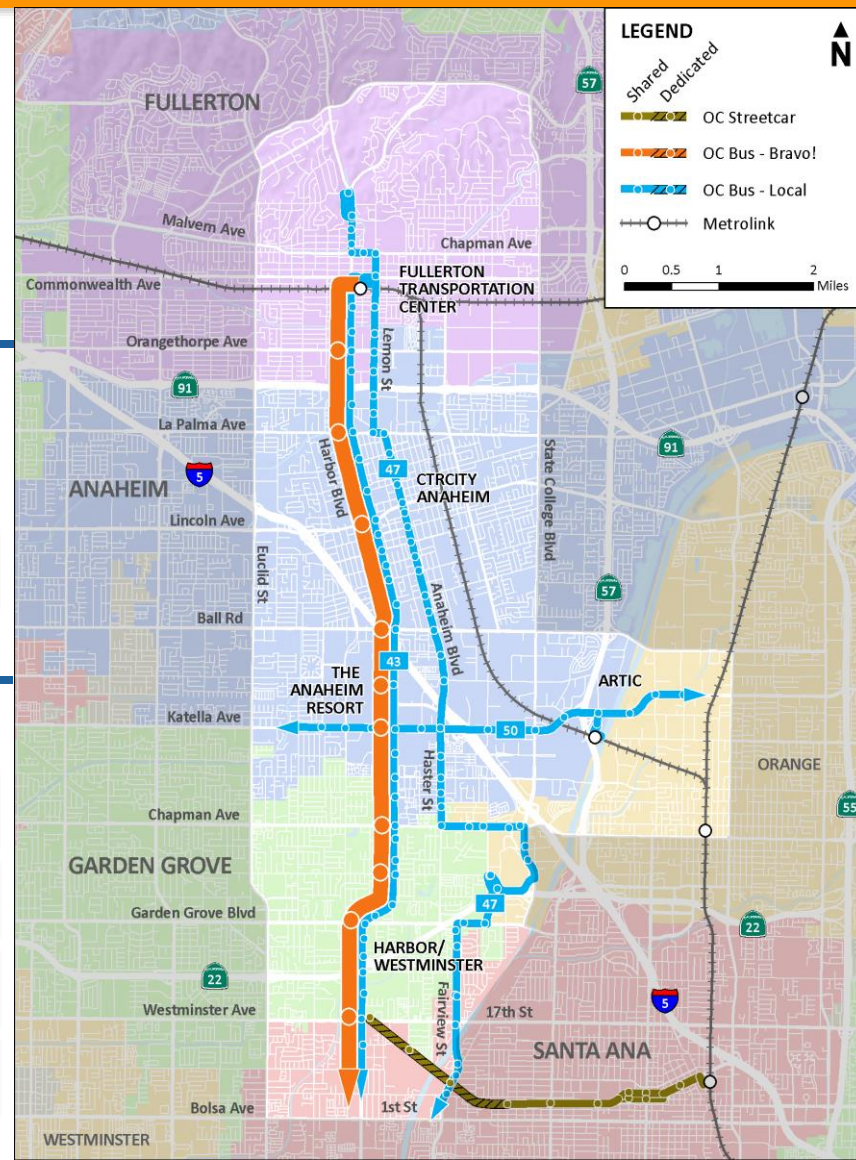
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Harbor Bravo! 543

Katella Local 50

Enhanced

Unchanged



H-5: Harbor Bus Rapid Transit

Alignment:

Harbor South

Anaheim/Lemon

Harbor North

Katella

Mode:

Enhanced Bus

Streetcar

Bus Rapid Transit

Rapid Streetcar

Changes to Existing OCTA Bus Service:

Harbor Local 43

Anaheim/Lemon Local 47

Unchanged

Unchanged

Harbor Bravo! 543

Katella Local 50

Discontinued

Unchanged



L-1: Anaheim/Lemon Streetcar

Alignment:

Harbor South

Anaheim/Lemon

Harbor North

Katella

Mode:

Enhanced Bus

Streetcar

Bus Rapid Transit

Rapid Streetcar

Changes to Existing OCTA Bus Service:

Harbor Local 43

Anaheim/Lemon Local 47

Enhanced S of Westminster

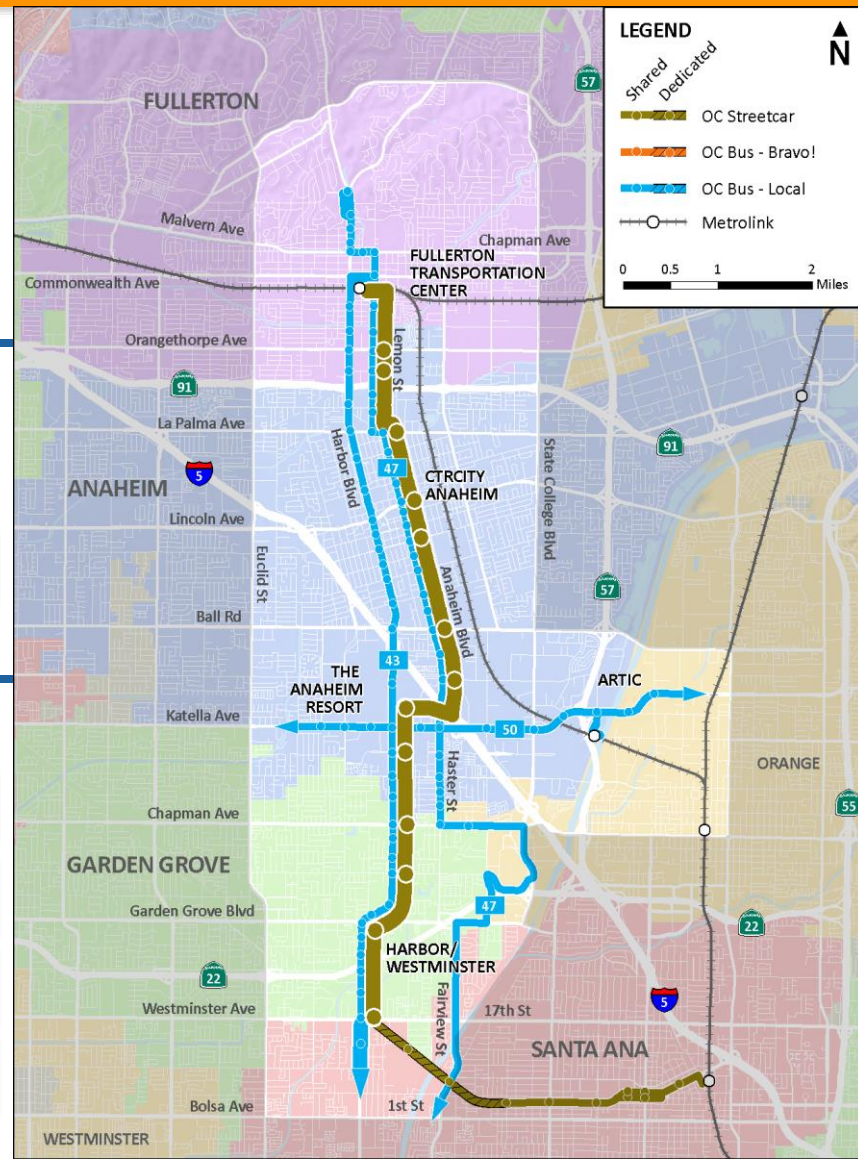
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Harbor Bravo! 543

Katella Local 50

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L-2: Anaheim/Lemon Rapid Streetcar

Alignment:

Harbor South

Anaheim/Lemon

Harbor North

Katella

Mode:

Enhanced Bus

Streetcar

Bus Rapid Transit

Rapid Streetcar

Changes to Existing OCTA Bus Service:

Harbor Local 43

Anaheim/Lemon Local 47

Enhanced S of Westminster

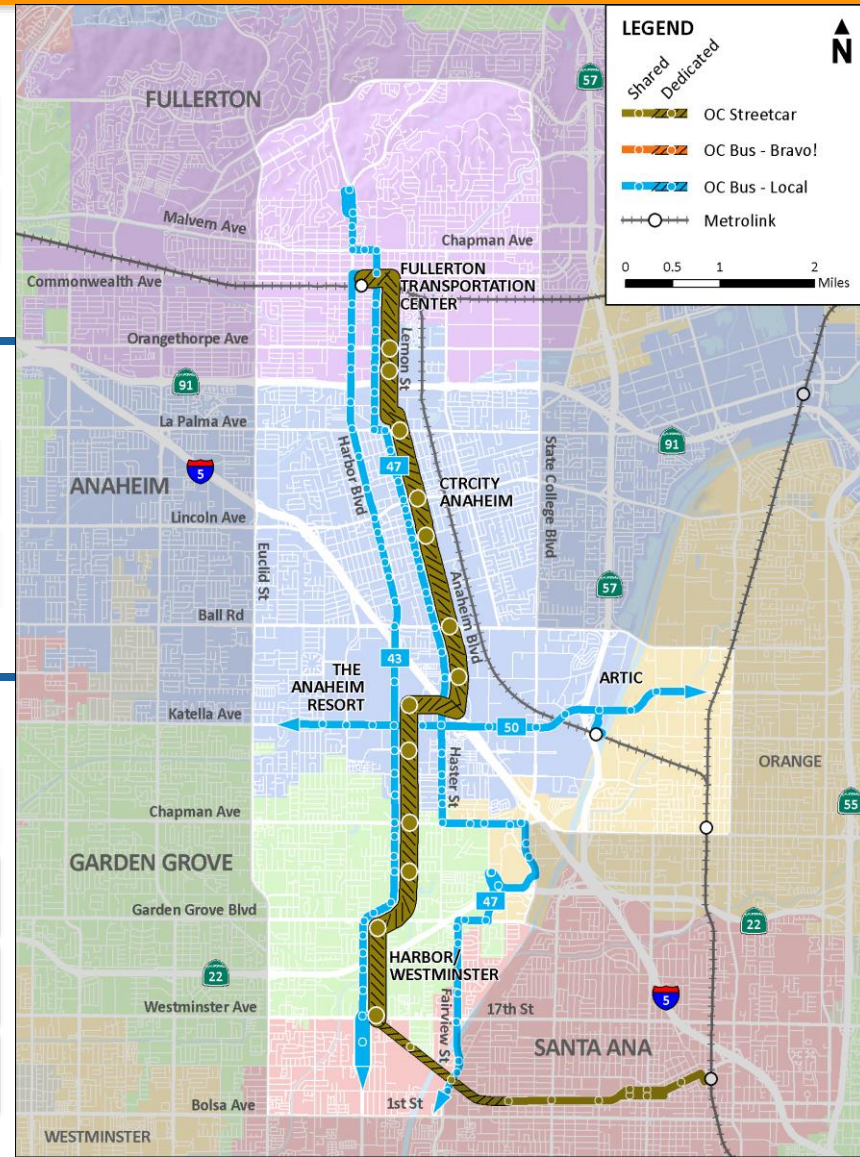
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Harbor Bravo! 543

Katella Local 50

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L-3: Anaheim/Lemon Enhanced Bus

Alignment:

Harbor South

Anaheim/Lemon

Harbor North

Katella

Mode:

Enhanced Bus

Streetcar

Bus Rapid Transit

Rapid Streetcar

Changes to Existing OCTA Bus Service:

Harbor Local 43

Anaheim/Lemon Local 47

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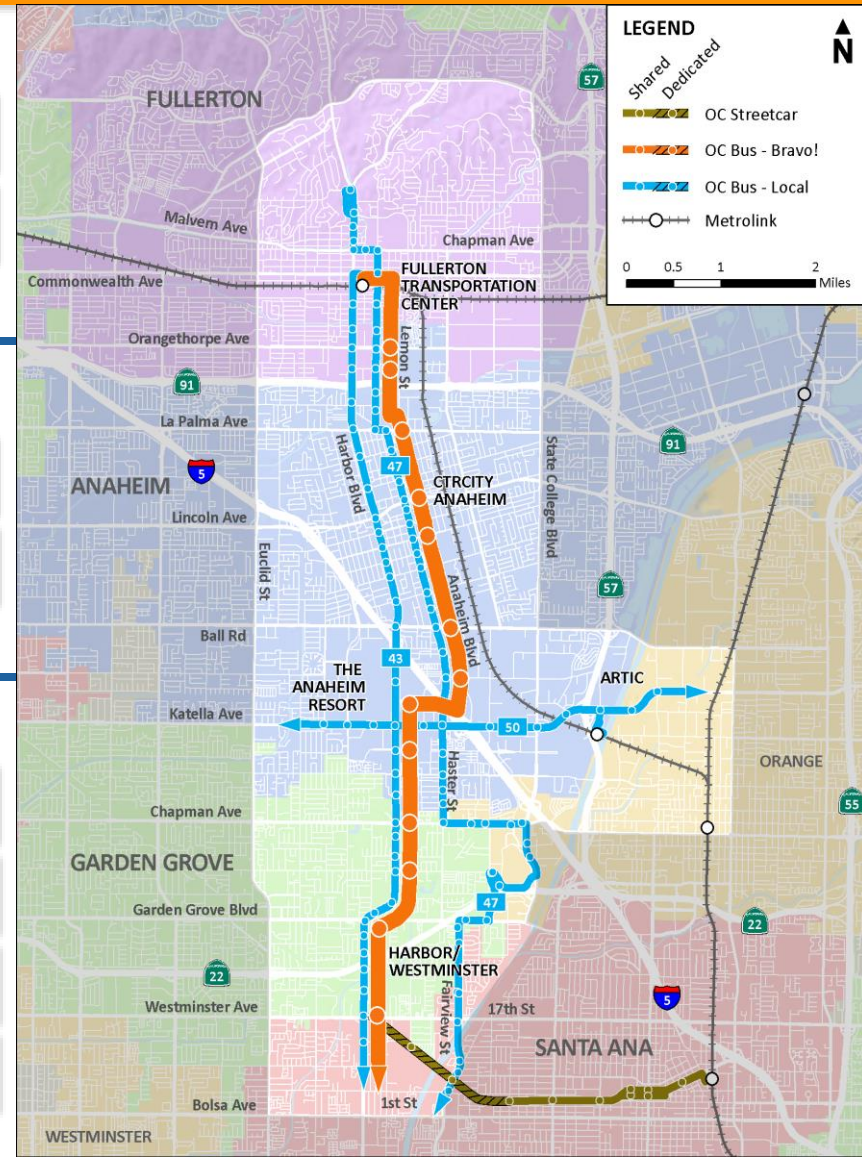
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Katella Local 50

Enhanced/Rerouted

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L-4: Anaheim/Lemon Bus Rapid Transit

Alignment:

Harbor South

Anaheim/Lemon

Harbor North

Katella

Mode:

Enhanced Bus

Streetcar

Bus Rapid Transit

Rapid Streetcar

Changes to Existing OCTA Bus Service:

Harbor Local 43

Anaheim/Lemon Local 47

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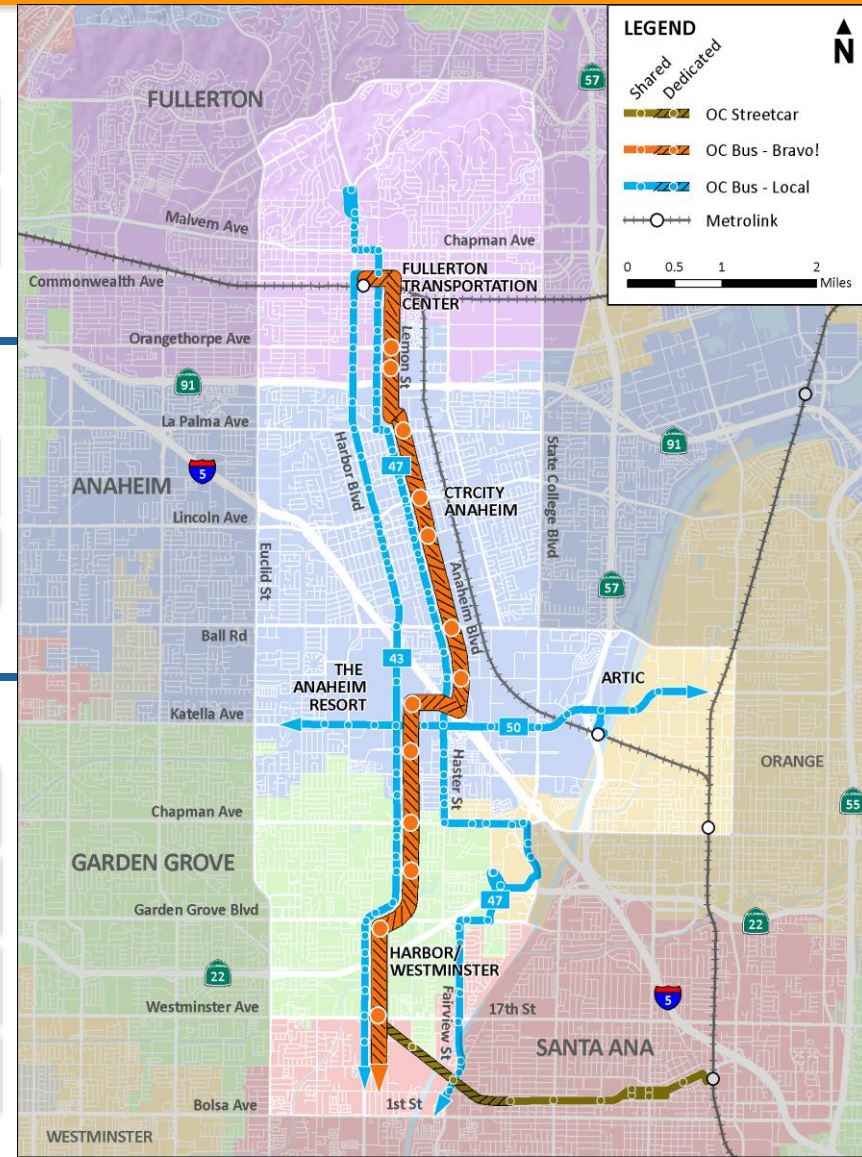
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Harbor Bravo! 543

Katella Local 50

Discontinued

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K-1: Katella Streetcar

Alignment:

Harbor South

Anaheim/Lemon

Harbor North

Katella

Mode:

Enhanced Bus

Streetcar

Bus Rapid Transit

Rapid Streetcar

Changes to Existing OCTA Bus Service:

Harbor Local 43

Anaheim/Lemon Local 47

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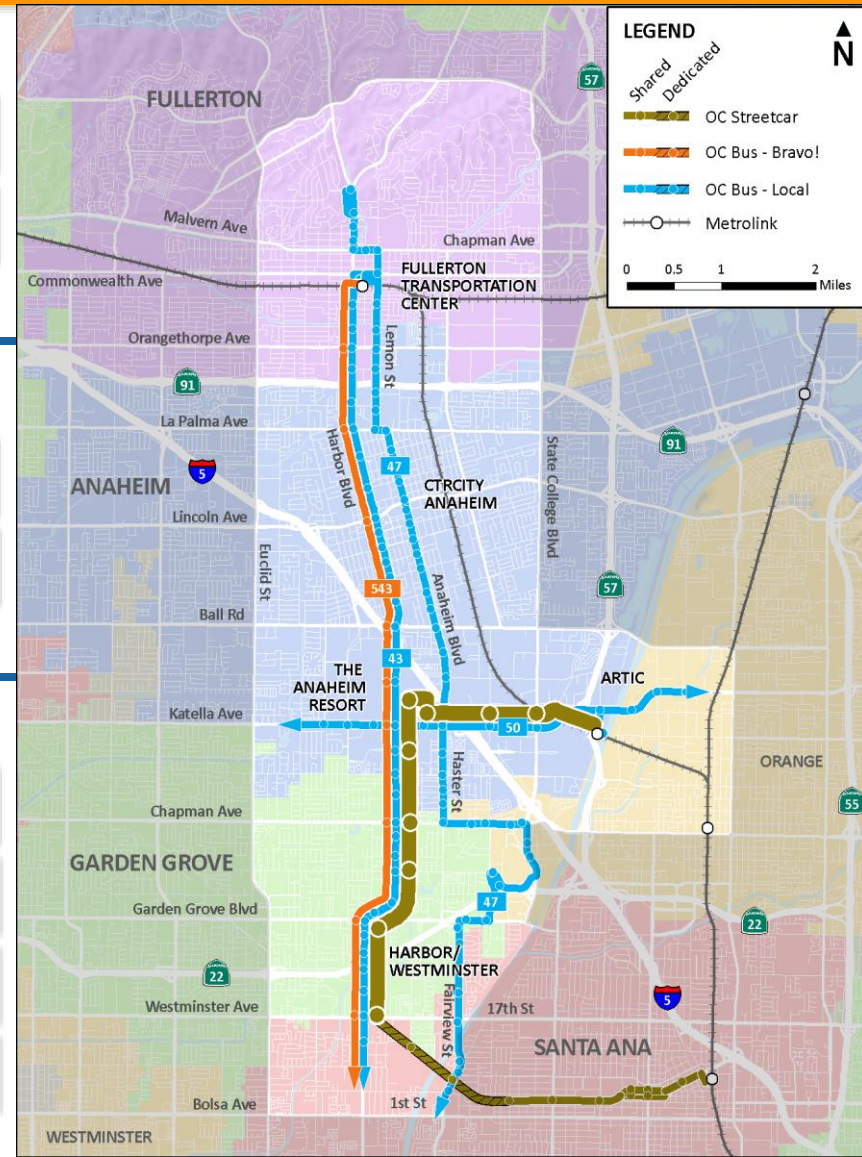
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Harbor Bravo! 543

Katella Local 50

Unchanged

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K-2: Katella + Anaheim/Lemon Enhanced Bus

Alignment:

Harbor South

Anaheim/Lemon

Harbor North

Katella

Mode:

Enhanced Bus

Streetcar

Bus Rapid Transit

Rapid Streetcar

Changes to Existing OCTA Bus Service:

Harbor Local 43

Anaheim/Lemon Local 47

Enhanced S of Westminster

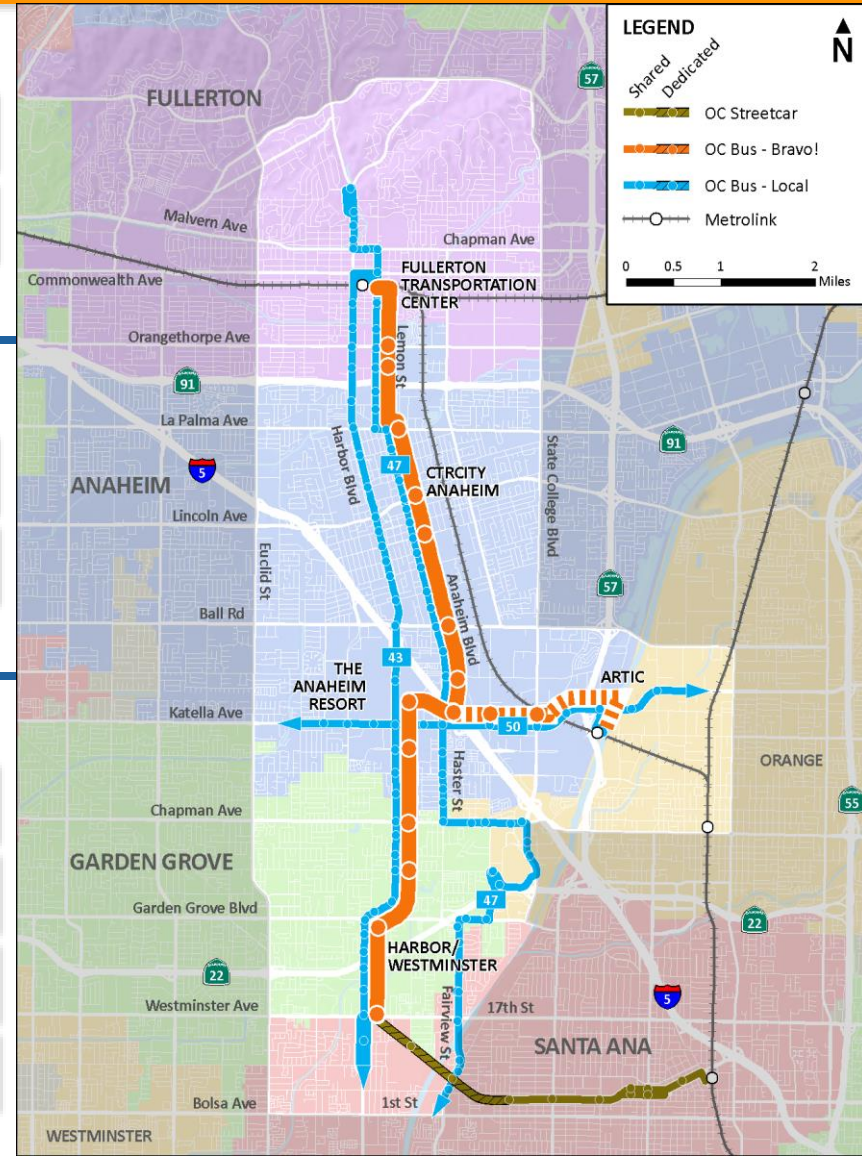
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Harbor Bravo! 543

Katella Local 50

Enhanced/Rerouted

Unchanged



K-3: Katella + Anaheim/Lemon Streetcar-Enhanced Bus Hybrid

Alignment:

Harbor South

Anaheim/Lemon

Harbor North

Katella

Mode:

Enhanced Bus

Streetcar

Bus Rapid Transit

Rapid Streetcar

Changes to Existing OCTA Bus Service:

Harbor Local 43

Anaheim/Lemon Local 47

Unchanged

Unchanged

Harbor Bravo! 543

Katella Local 50

Enhanced/Rerouted

Unchanged



Next Steps

- Open Houses
 - March 30: Garden Grove
- Refine draft alternatives based on comments received
- Evaluate alternatives
- Key Stakeholder Workshop #3: June
- Draft Final Report
 - Summary of results
 - Recommendations

Open Houses

- Open House Notification:
 - Direct mail (postcard)
 - E-Blasts & Social Media
 - Flyers at key community centers in cities
 - Flyers on OCTA buses
 - Coordination through cities

How can you help us reach your members?

Staying Involved

- Online Tools:
 - Project Website:
 - www.octa.net/harbor
 - Online public engagement tool
 - Public can comment on individual areas or project as a whole
 - Virtual Open House