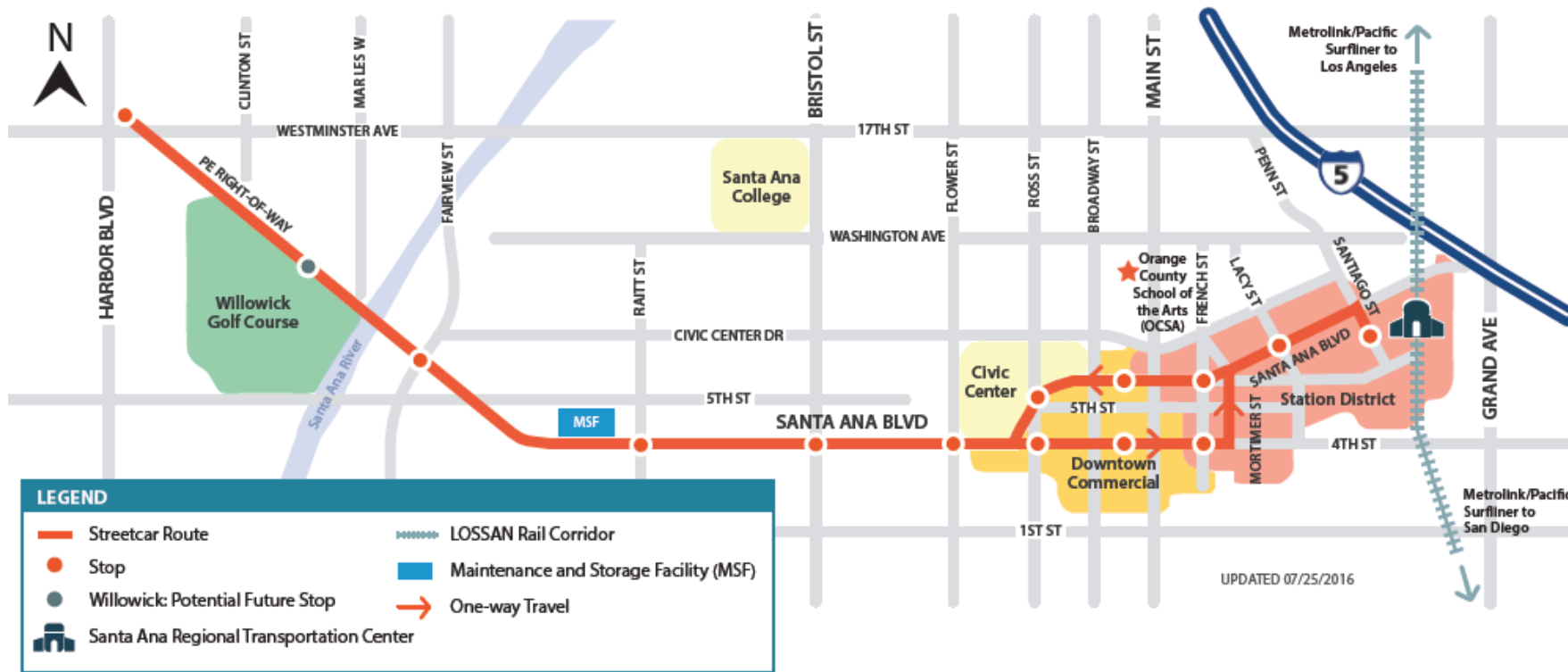




OC Streetcar Bus Rail Interface Plan Options

OC Streetcar Service Profile

- Revenue service starts December 2020
- Streetcar frequency assumptions from environmental document

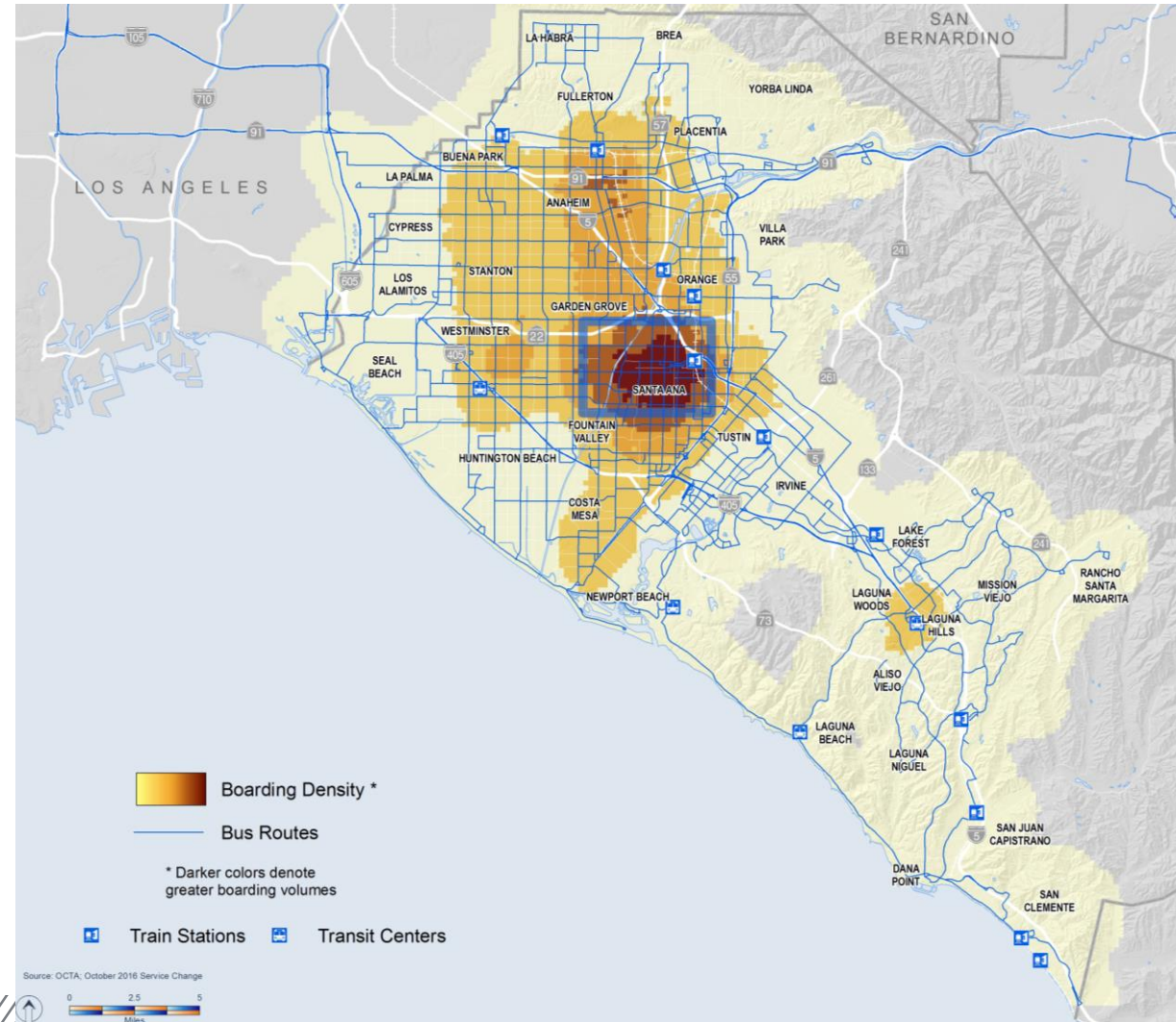


Day	Peak	Off - Peak
Monday through Thursday	6:00 am - 6:00 pm (10 minute)	6:00 pm - 11:00 pm (15 minute)
Friday	6:00am - 6:00pm (10 min)	6:00 pm - 1:00 am (15 minute)
Saturday	6:00am - 6:00pm (15 min)	6:00 pm - 1:00 am (15 minute)
Sunday	7:00am - 6:00pm (15 min)	6:00 pm - 10:00 pm (15 minute)

Goals

- To plan for bus routes to complement the OC Streetcar
- Improve access to OC Streetcar stops
- Increase ridership on OC Streetcar and connecting bus routes
- Meet Title VI standards and FTA requirements

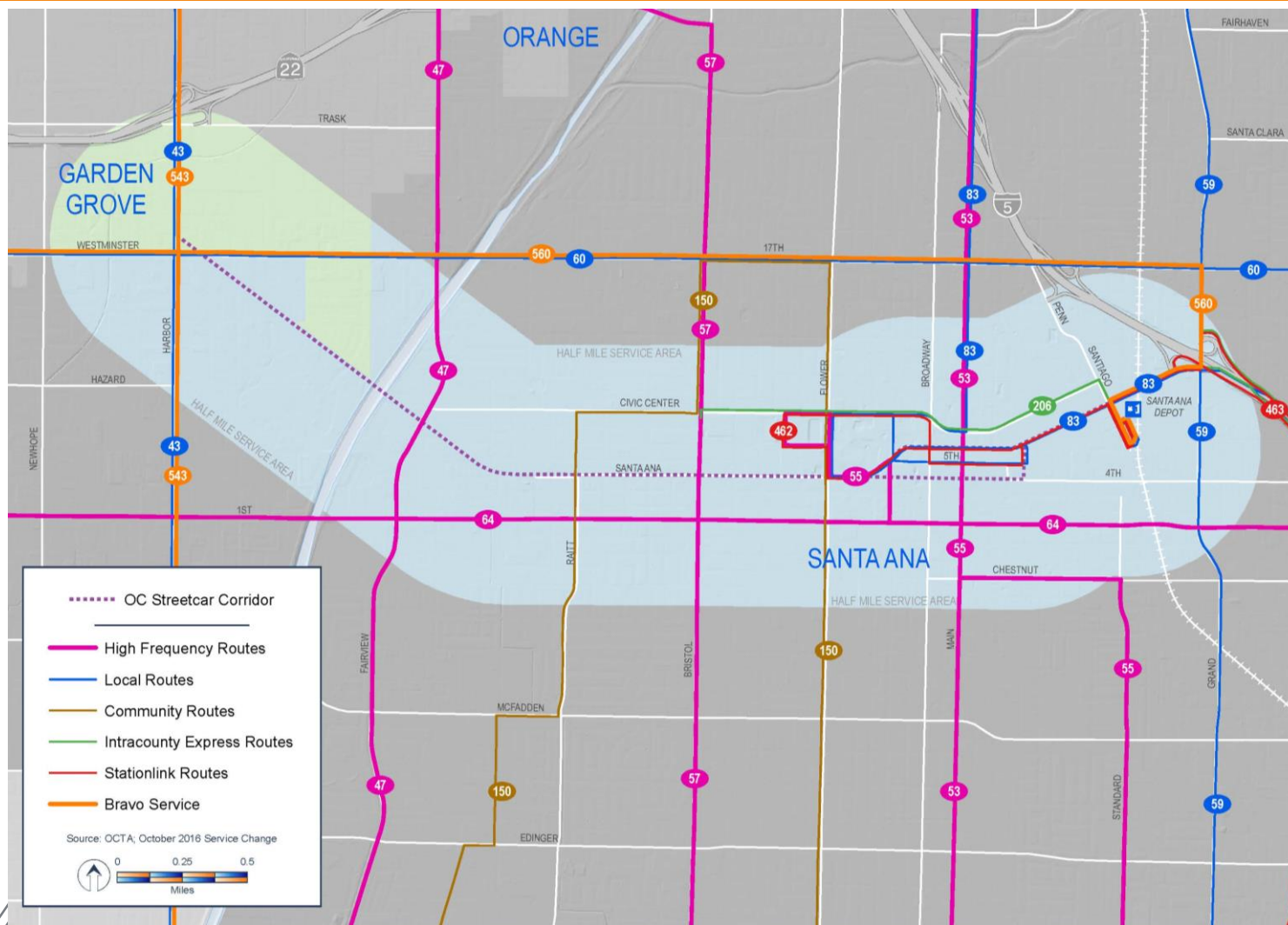
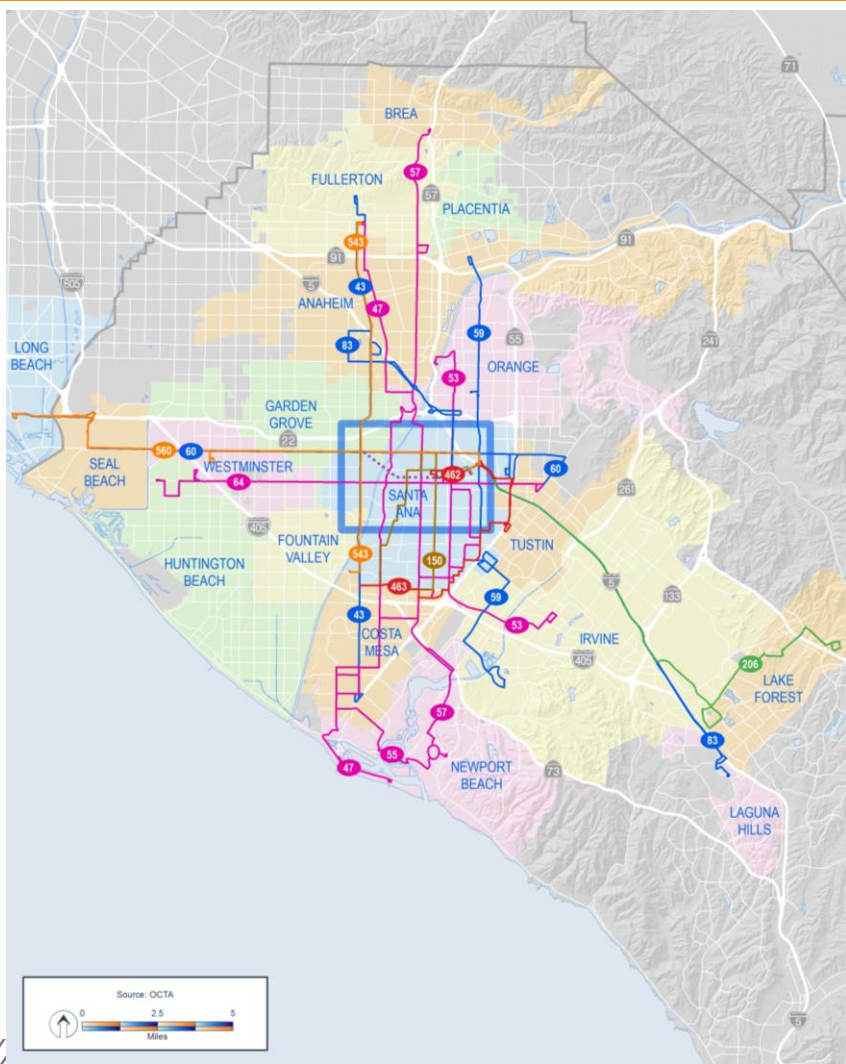
FTA – Federal Transit Administration



Objectives

- **Maximize ridership potential**
 - Coordinate bus service span with OC Streetcar
- **Reduce service duplication between bus and OC Streetcar**
 - Realign bus service that competes with OC Streetcar
- **Ensure optimal connectivity between bus and OC Streetcar services**
 - Recommend bus stop locations
- **Maintain financial sustainability and equity**
 - Reallocate service
 - Meet Title VI policy

Pre OC Streetcar Bus Routing



Bus Route Change Options

- 15 existing bus routes within ½ mile of OC Streetcar alignment

Route	Description	Alignment	Bus Stop	Frequency	Span	Other
43	<i>Fullerton to Costa Mesa via Harbor Boulevard</i>		✓			
47/A	<i>Fullerton to Balboa via Anaheim Boulevard/Fairview Street</i>				✓	
53	<i>Anaheim to Irvine via Main Street</i>		✓		✓	
55	<i>Santa Ana to Newport Beach via Standard/Bristol/Fairview/17th</i>	✓	✓		✓	
57/X	<i>Brea to Newport Beach via State College Boulevard/Bristol Street</i>					No Change
59	<i>Anaheim to Irvine via Kraemer/Glassell/Grand on Karman</i>				✓	
60	<i>Long Beach to Tustin via Westminster Avenue/17th Street</i>					No Change
64/X	<i>Huntington Beach to Tustin via Bolsa Avenue/1st Street</i>					No Change
83	<i>Anaheim to Laguna Hills via Interstate 5 (I-5) /Main Street</i>	✓	✓	✓	✓	
150	<i>Santa Ana to Costa Mesa via Fairview Street/Flower Street</i>					Implemented June 2016
206	<i>Santa Ana to Lake Forest Express via I-5</i>					Changed October 2016
462	<i>SARTC to Civic Center via via Santa Ana Boulevard/Civic Center Drive</i>					Eliminate Route
463	<i>SARTC to Hutton Centre via Grand Avenue</i>					Changed October 2016
543	<i>Fullerton Transportation Center to Santa Ana via Harbor Boulevard</i>		✓		✓	
560	<i>Santa Ana to Long Beach via 17th Street/Westminster Avenue</i>	✓				

SARTC – Santa Ana Regional Transportation Center

Bus Route Alignment Options

- **Route 55**

- Realign off of Santa Ana Boulevard to Ross Street, Civic Center Drive to Flower Street

- **Route 83**

- Realign off of Santa Ana Boulevard to Santiago Street, Civic Center Drive, and Main Street
- Remove routing to Civic Center area because of duplication with streetcar

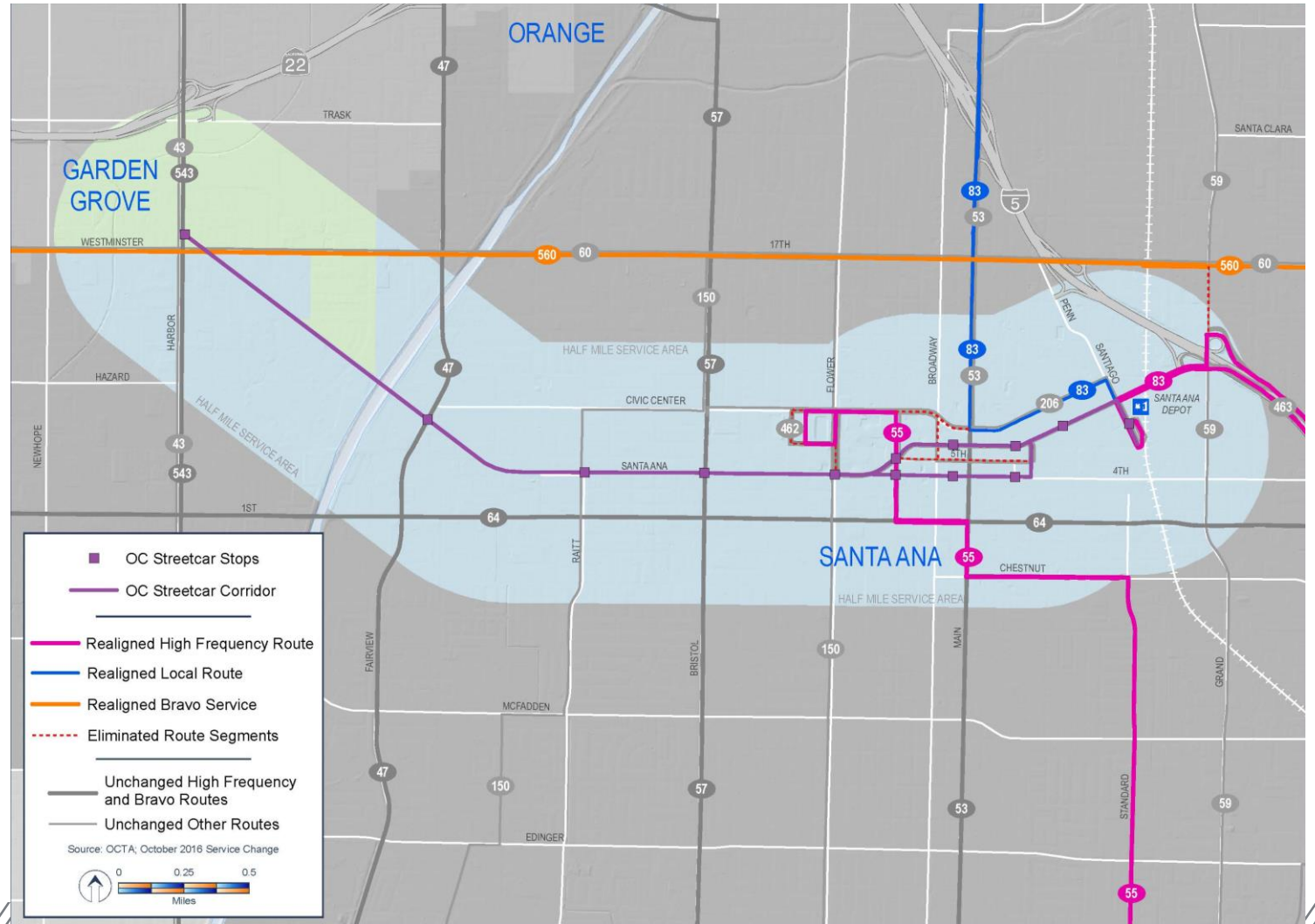
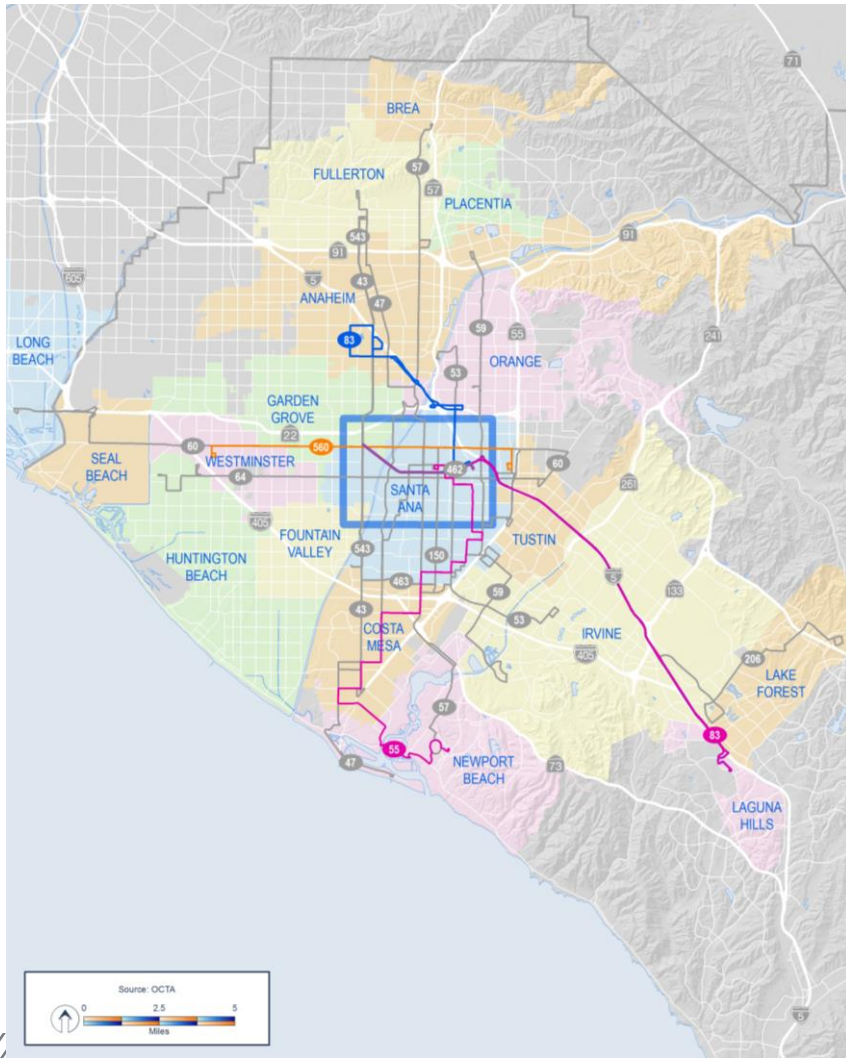
- **Route 462**

- Eliminate route because of service duplication with streetcar

- **Bravo! 560**

- Reroute to Tustin Avenue at Fruit Street because of some duplication with OC Streetcar

Post OC Streetcar Bus Routing



Bus Stop Options

- **Route 43 and Bravo! 543**
 - Relocate bus stops to improve connection
- **Route 53**
 - New stop on Main Street at Santa Ana Boulevard
- **Route 55**
 - New stop on Ross Street at Santa Ana Boulevard
- **Route 83**
 - New stops on Civic Center Drive
- Stops for other routes are suitable at current locations

Bus Frequency and Span Options

- Extend weekday span to 11:00 pm on routes 59 and 543
- Extend Saturday span to 1:00 am on routes 47, 53, 55, 59, 83, and 543
- Extend Sunday span to 10:00 pm on routes 53, 55, 59, and 543
- Keep Friday span the same as other weekdays. Review extending Friday span based on customer input after implementation
- Extended span mostly at 60 minute frequency
- Improve weekday Route 83 frequency to 15/30 minute during peak
- Increased service would require 4,700 to 13,500 additional annual revenue hours and up to three additional weekday peak buses

Next Steps

- Finalize Alignment, Frequency, and Span Recommendations
- Develop Final Report for FTA
- Refine Bus Stop Locations with Cities
- Implement Route Changes with OC Streetcar Startup