



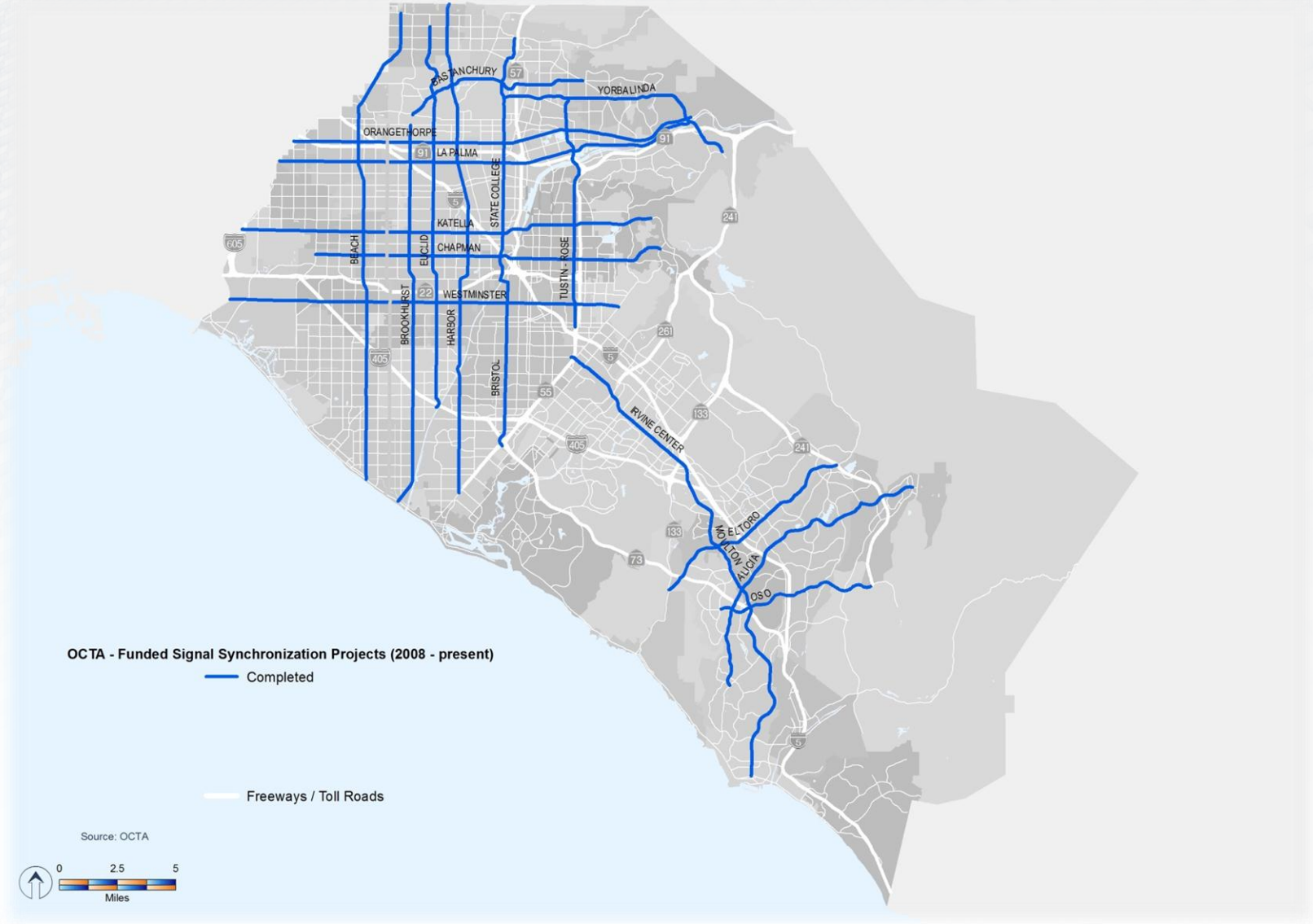
Regional Traffic Signal Synchronization Program Overview



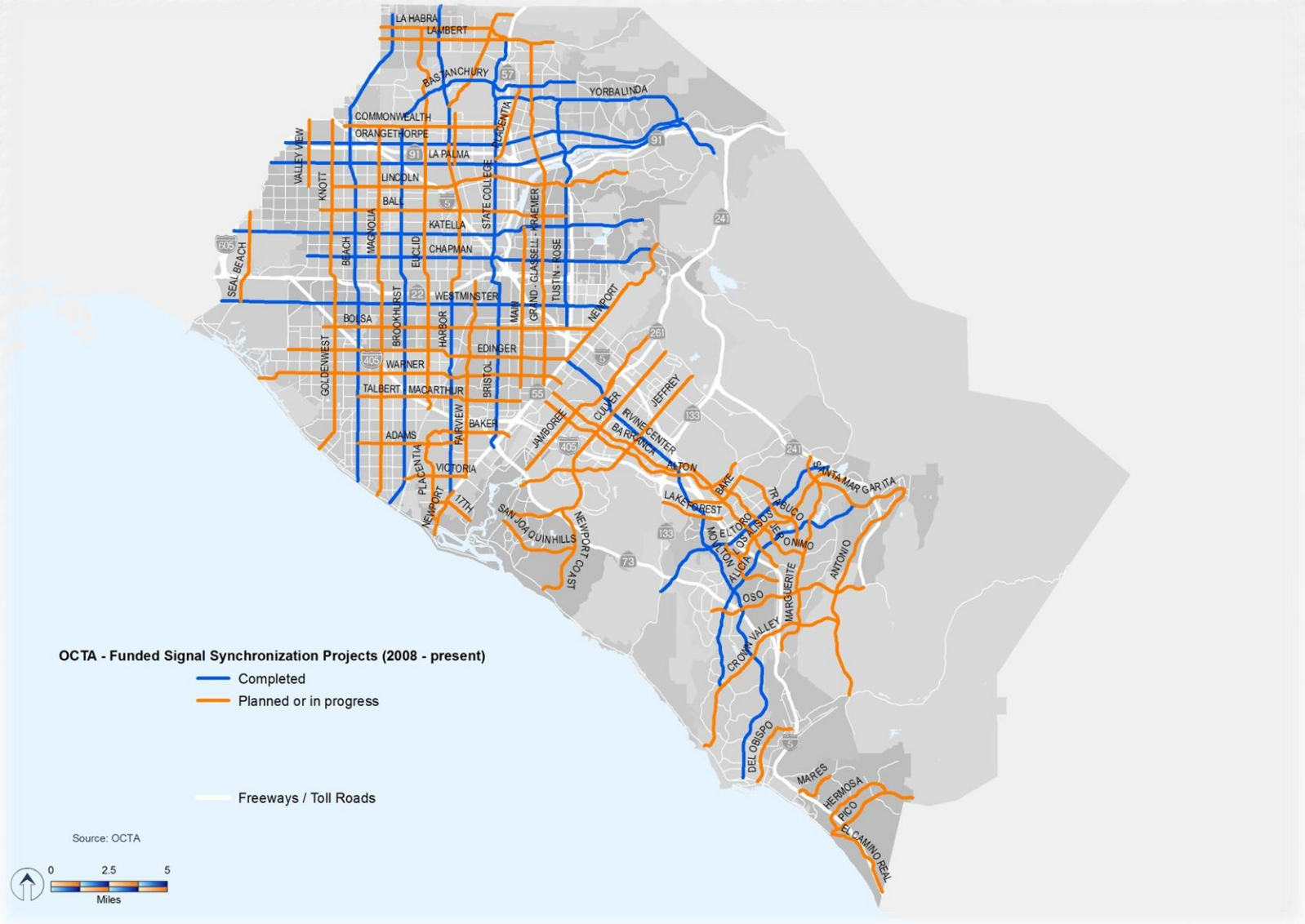
Signal Synchronization Program Overview

- Competitive funding for local agencies
 - Three-year grants for signal timing
 - Local agencies lead, with OCTA option
 - Local agencies contribute
 - Regional projects that cross jurisdictions
- Goal – Coordinate at least 2,000 signals and
750 miles

Projects Completed, Planned, or In-Progress



Projects Completed, Planned, or In-Progress



Projects Completed, Planned, or In-Progress

OCTA - Funded Signal Synchronization Projects (2008 - present)

- Completed
- Planned or in progress
- Previously completed, re-timing in progress
- Previously completed, recently re-timed
- Freeways / Toll Roads

Source: OCTA



Summary of Results for Completed Projects

| Corridor Name | Lead Agency | Length (Miles) | Signals | Project Cost | Estimated Gas Savings (Dollars) | Travel Time Improvement | Average Speed Improvement | Stops per Mile Improvement |
|--|--------------------|-----------------------|----------------|----------------------|--|--------------------------------|----------------------------------|-----------------------------------|
| <i>Euclid Street</i> | OCTA | 15 | 62 | \$ 450,000 | \$ 3,091,631 | 20% | 24% | 43% |
| <i>Pacific Park/Oso Parkway</i> | OCTA | 9 | 34 | \$ 250,000 | \$ 3,647,370 | 22% | 29% | 50% |
| <i>Alicia Parkway</i> | OCTA | 11 | 41 | \$ 945,000 | \$ 806,001 | 13% | 12% | 40% |
| <i>Beach Boulevard</i> | OCTA | 20 | 70 | \$ 1,300,000 | \$ 10,469,722 | 14% | 21% | 28% |
| <i>Chapman Avenue (South)</i> | OCTA | 15 | 52 | \$ 800,000 | \$ 3,244,679 | 16% | 18% | 46% |
| <i>Edinger/Irvine Center Drive/Moulton</i> | OCTA | 22 | 109 | \$ 846,000 | \$ 4,609,706 | 11% | 14% | 34% |
| <i>Harbor Boulevard</i> | OCTA | 16 | 107 | \$ 520,000 | \$ 3,226,111 | 11% | 12% | 23% |
| <i>Orangethorpe Avenue</i> | OCTA | 19 | 44 | \$ 698,000 | \$ 2,659,036 | 17% | 20% | 42% |
| <i>State College/Bristol Street</i> | OCTA | 17 | 97 | \$ 760,000 | \$ 4,089,735 | 15% | 18% | 28% |
| <i>Westminster Avenue</i> | OCTA | 13 | 48 | \$ 620,000 | \$ 3,706,888 | 14% | 17% | 35% |
| <i>Brookhurst Street</i> | OCTA | 16 | 56 | \$ 631,764 | \$ 7,850,209 | 19% | 18% | 31% |
| <i>El Toro Road</i> | OCTA | 11 | 40 | \$ 478,916 | \$ 3,302,828 | 19% | 24% | 32% |
| <i>Katella Avenue</i> | OCTA | 17 | 69 | \$ 673,845 | \$ 4,435,716 | 14% | 14% | 36% |
| <i>La Palma Avenue</i> | OCTA | 18 | 58 | \$ 803,999 | \$ 4,555,572 | 18% | 22% | 27% |
| <i>Bastanchury Road</i> | Fullerton | 8 | 27 | \$ 674,920 | \$ 1,053,012 | 13% | 15% | 49% |
| <i>Euclid Street*</i> | Fullerton | 17 | 66 | \$ 1,250,000 | \$ 4,730,076 | 15% | 17% | 40% |
| <i>Tustin/Rose Drive</i> | OCTA | 10 | 43 | \$ 854,000 | \$ 2,309,837 | 15% | 17% | 37% |
| <i>Yorba Linda Boulevard</i> | OCTA | 15 | 51 | \$ 521,837 | \$ 2,491,455 | 14% | 12% | 32% |
| Summary of All Projects | | 269 | 1074 | \$ 13,078,280 | \$ 70,279,583¹ | 16% | 18% | 36% |

*Euclid Street is included twice as it was originally synchronized in 2008 and re-timed in 2013.

¹ Based on \$3.90 per gallon of gas

Improvements are calculated over the full corridor across both directions and all time periods.

Next Steps

- 51 signal projects planned or in-progress
- \$37.8 million improvements
- 363 miles and 1,360 signals
- Local agencies have the opportunity to apply for more projects with 2014 call for projects
- Additional project funding recommendations to the Board of Directors in spring 2014