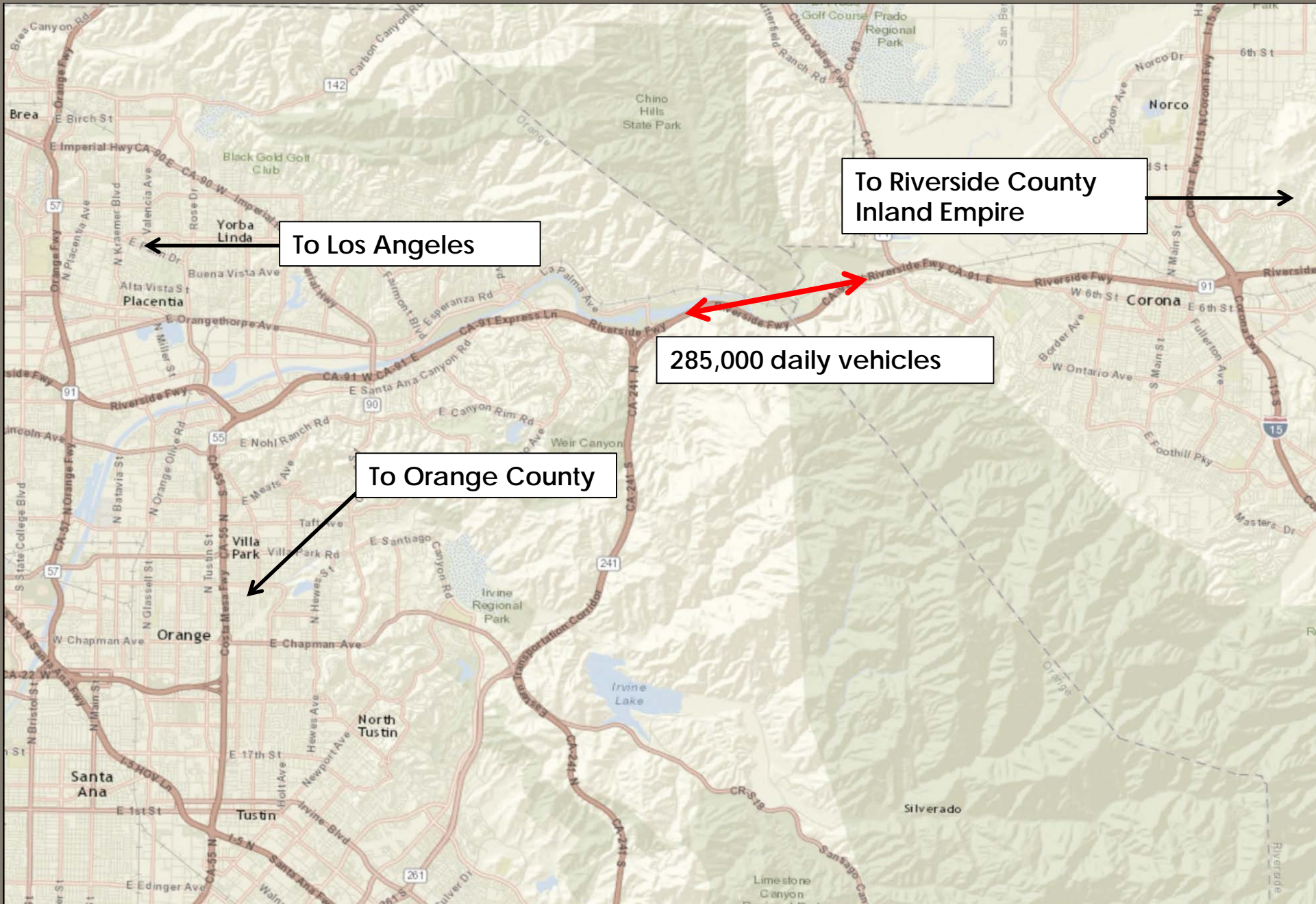


Managed Lanes, Toll Roads, and Road Usage Charges

How do we forecast networks of different facility types?
A Southern California case study



To Los Angeles

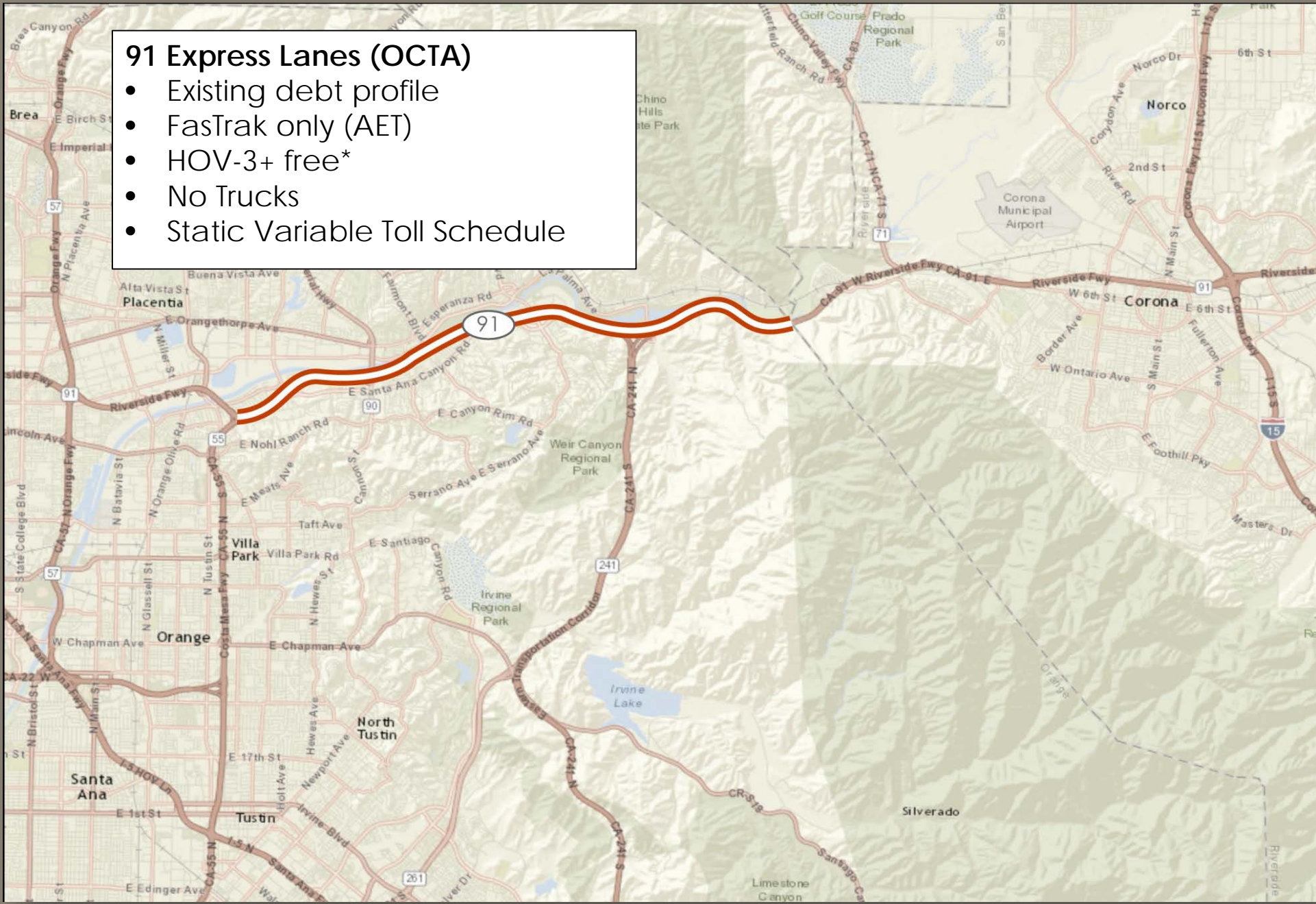
To Riverside County
Inland Empire

285,000 daily vehicles

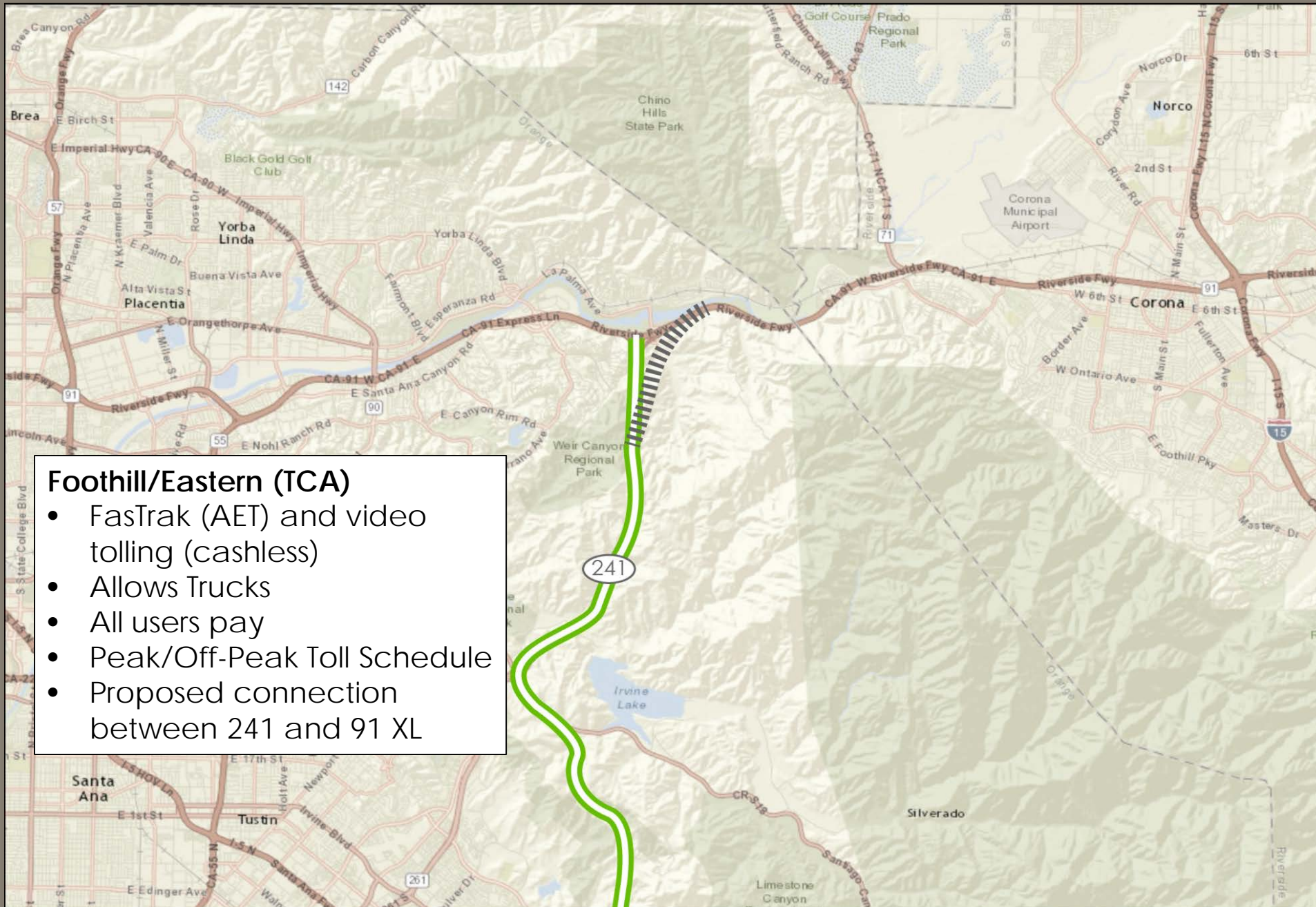
To Orange County

91 Express Lanes (OCTA)

- Existing debt profile
- FasTrak only (AET)
- HOV-3+ free*
- No Trucks
- Static Variable Toll Schedule

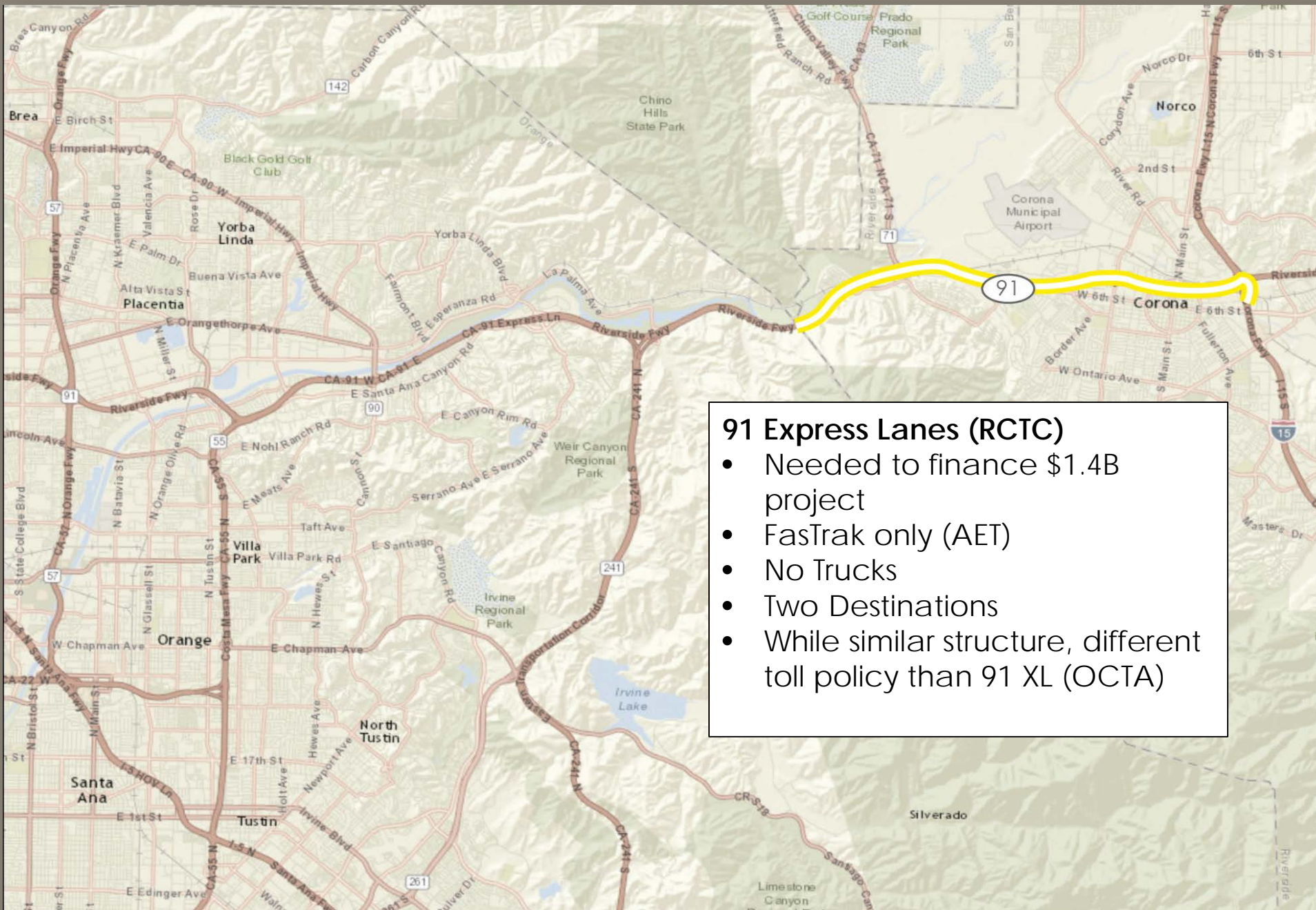


* Except for 4-6pm EB when HOV-3+ pay 50% toll



Foothill/Eastern (TCA)

- FasTrak (AET) and video tolling (cashless)
- Allows Trucks
- All users pay
- Peak/Off-Peak Toll Schedule
- Proposed connection between 241 and 91 XL



91 Express Lanes (RCTC)

- Needed to finance \$1.4B project
- FasTrak only (AET)
- No Trucks
- Two Destinations
- While similar structure, different toll policy than 91 XL (OCTA)

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Modeling Process

Travel Demand Model

Microsimulation

Marketshare Model

