

What Can Be Done About Highway 101?

SPUR

April 9, 2014

Why Express Lanes?



What is an Express Lane?

- Underutilized carpool lanes converted to Express Lanes
- Solo drivers given option of paying a fee to use new Express Lanes



Who Can Use Express Lanes?

- Carpools, vanpools, transit, motorcycles and eligible hybrids – Still travel FREE.
- Provides new choice for solo drivers
 - Solo drivers can pay a toll to access carpool lane
 - Solo drivers benefit from a safe, convenient, reliable, and time saving commute

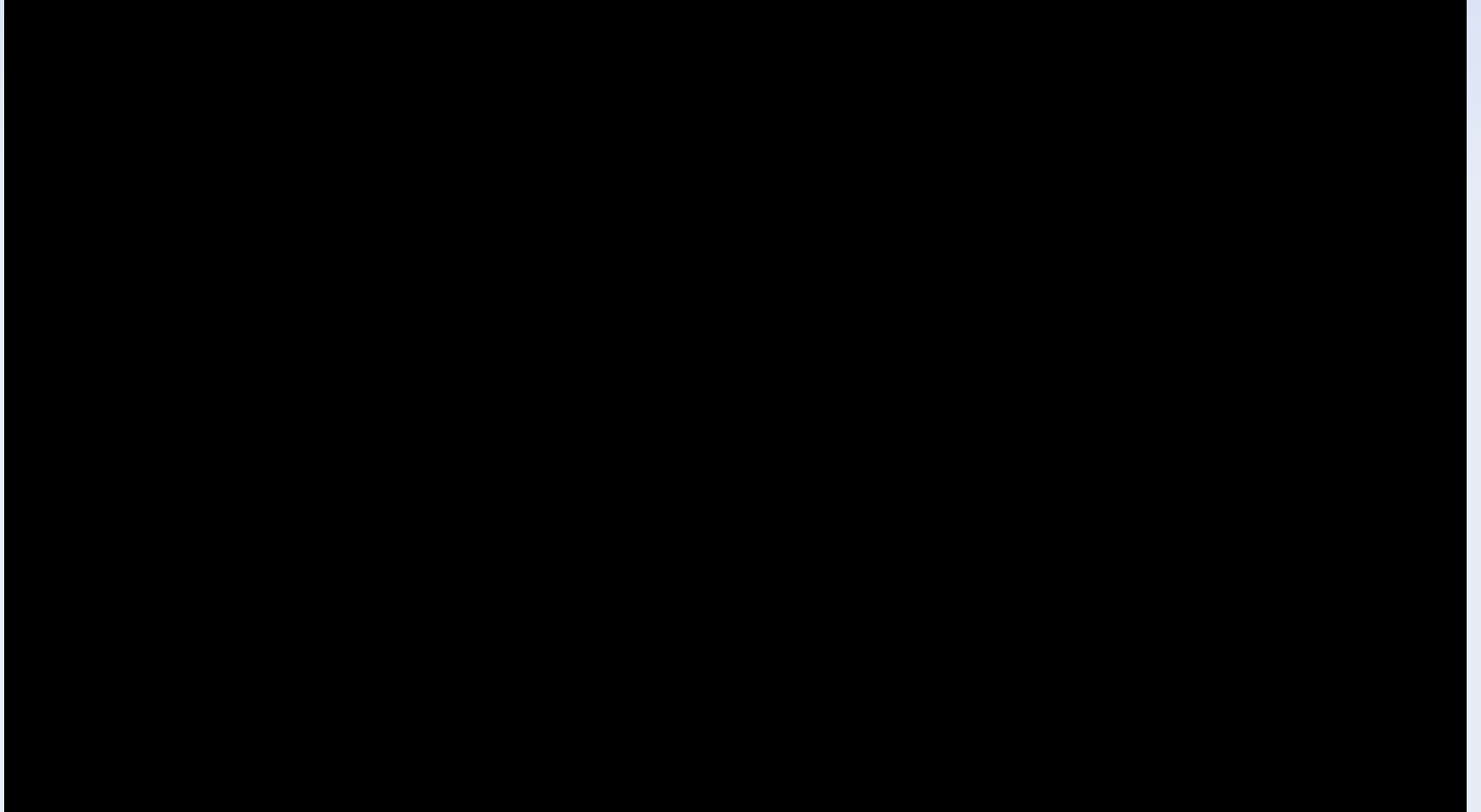


How Do Express Lanes Work?

- Tolls for solo drivers collected electronically using FasTrak transponder—no tollbooths
- Tolls vary based on demand, and level of congestion in Express Lanes
 - Adjusted to maintain minimum speed of 55 miles per hour
 - Lighter congestion = lower fee; heavier congestion = higher fee



How do Express Lanes work?



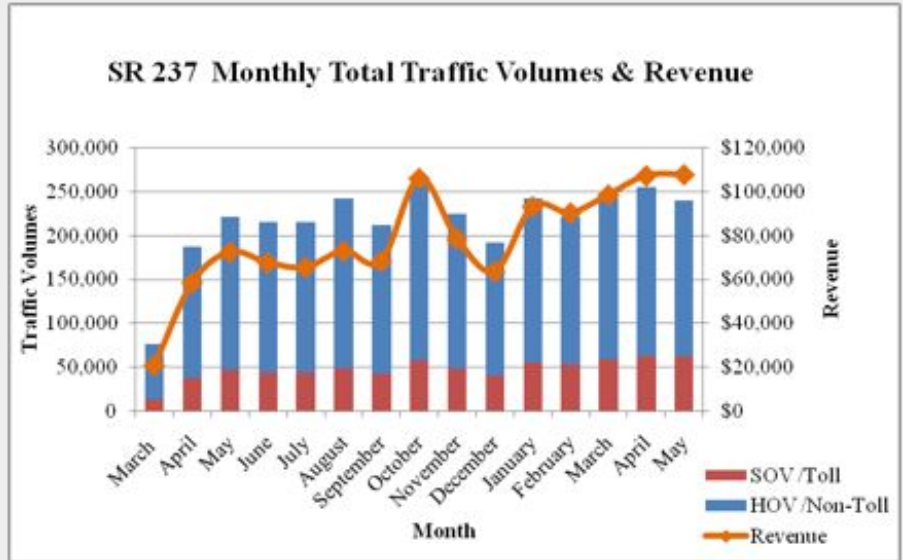
Silicon Valley Express Lanes Program Goals

- Essential tool to manage traffic demand
- Provides a reliable commute option with travel time reliability
- Source of funding for improvements including transit



SR 237 Express Lanes

- Award winning SR 237 Express Lanes Phase 1
- Project cost \$11.8 million
- FY 2013 gross revenue \$1.05 million
- Travel time savings up to 15 minutes
- Experience operating Express Lanes



SR 237 Express Lanes Phase 1

Travel Time Savings

Significant travel time savings in general purpose lanes as well as EL lanes

Lane Utilization	AM Peak Period	PM Peak Period
Express Lanes (EL)	↑ 17% (55%)*	↑ 24% (17%)*
General Purpose Lanes (GP)	↑ 6%	↑ 2%
Person Throughput		
EL	↑ 20% (38%)*	↑ 6% (3%)*
GP	↑ 10%	↑ 2%
Travel Time Savings		
EL vs. GP	↑ 3 -14 minutes	↑ 5 - 8 minutes
EL	↑ 2 - 7 minutes	↓ 2 - 4 minutes
GP	↑ 6 - 8 minutes	↑ 6 - 8 minutes

* Indicates peak hour only

SR 237 Express Lanes

Dynamic Pricing

- Tolls vary between \$0.30 to \$5.00 based on average speed
- Average toll rate is \$1.90
- Toll is recalculated every five minutes
- HOV Only mode is triggered when average speed drops below 45 mph



How Are Toll Revenues Used?

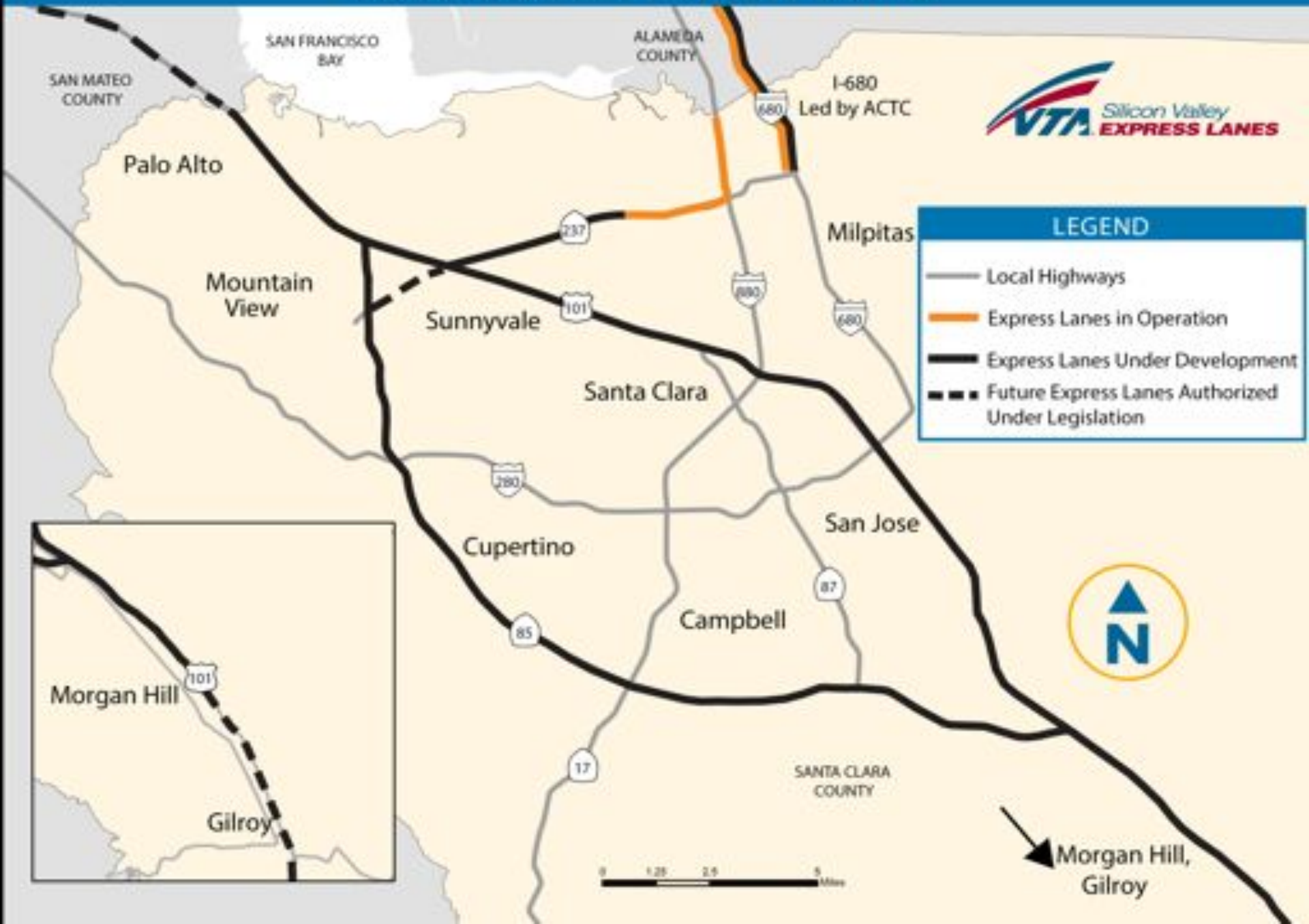
- Tolls collected will be used to fund
 - Operations, maintenance, and enforcement
 - Transportation improvements – including transit
- Revenue to stay within corridor
 - AB 2032, AB 574

SILICON VALLEY EXPRESS LANES



LEGEND

- Local Highways
- Express Lanes in Operation
- Express Lanes Under Development
- Future Express Lanes Authorized Under Legislation



I-680 Led by ACTC

Morgan Hill, Gilroy

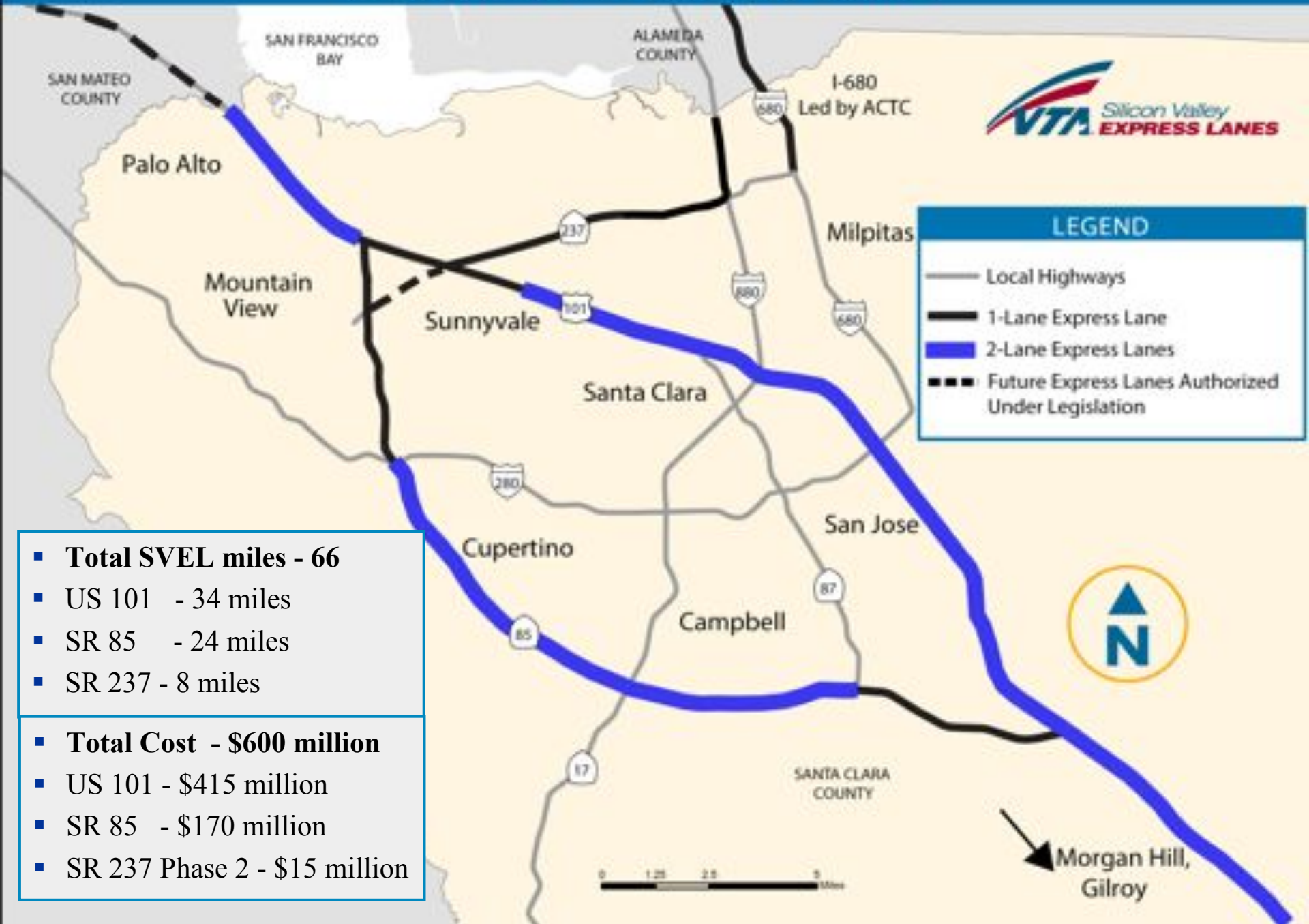
SILICON VALLEY EXPRESS LANES



LEGEND

- Local Highways
- 1-Lane Express Lane
- 2-Lane Express Lanes
- Future Express Lanes Authorized Under Legislation

- **Total SVEL miles - 66**
 - US 101 - 34 miles
 - SR 85 - 24 miles
 - SR 237 - 8 miles
-
- **Total Cost - \$600 million**
 - US 101 - \$415 million
 - SR 85 - \$170 million
 - SR 237 Phase 2 - \$15 million



What is the timeline?

- **Spring 2014:** Approve phasing plan of Express Lanes
- **Summer 2014:** Approve contracts for design development
- **Summer 2015:** Approve construction contracts for
SR 237 Express Lanes (Phase 2)
- **Summer 2016:** Approve construction contracts for first
phase of US 101 and SR 85 segments



Thank You!

www.vta.org/expresslanes