

Table 3.12-14
Preferred Alternative Intersection Mitigations

Intersection	Mitigations	Feasibility
Local City Intersections		
Mathilda Avenue between Moffett Park Drive and Ross Drive	Mary Avenue Extension to reduce congestion and delay along this Mathilda Avenue Corridor.	(1) & (3)
Mathilda Ave. & El Camino Real*	Adjust signal timing and phasing such as changing NB, SB, and WB right-turn phases to overlap with non-conflicting movements; u-turns should be prohibited.	Yes (3)
Mary Ave. & El Camino Real*	SB, EB, and WB: Separate shared thru-rt lane into thru and right-turn lanes; modify signal accordingly.	Yes (3)
Sunnyvale-Saratoga Rd. & Remington Dr.*	NB: Separate shared thru-right lane into thru and right-turn lanes; modify signal accordingly.	Yes (3)
Caribbean Dr. & Moffett Park Dr.	Adjust signal timing and phasing such as changing NB, SB, and EB right-turn phases to overlap with non-conflicting movements.	Yes (3)
Fair Oaks Ave. & Tasman Dr.	EB: Change shared thru-rt to rt lane and lt lane to shared thru-lt lane, modify signal and adjust signal timing and phasing.	Yes (3)
Fair Oaks Ave. & Arques Ave.	SB: Separate shared thru-rt lane into thru and rt lanes; modify signal and adjust signal timing and phasing.	Yes (3)
Wolfe Rd. & Kifer Rd.	NB and SB: Separate shared thru-rt lane into thru and rt lanes; EB and WB: Separate shared thru-rt lane into thru and rt lanes, and add lt; modify signal and adjust signal timing and phasing.	Yes (3)
Wolfe Rd. & Old San Francisco Rd./Reed Ave.	NB and WB: Separate shared thru-rt lane into thru and rt lanes; modify signal and adjust signal timing and phasing.	Yes (3)
Expressway Intersections		
Lawrence Expwy. & Tasman Dr.* (5)	Grade Separation	(2) & (3)
Lawrence Expwy. & Arques Ave.*	NB and SB: Add thru lane by removing HOV lanes; EB: Add rt lane; or urban interchange.	(2) & (3)
Lawrence Expwy. & Reed Ave./Monroe St.*	Grade Separation	(2) & (3)
Lawrence Expwy. & Lakehaven Dr.	NB: Add thru and a lt; EB: Separate thru-rt and add lt; SB: Add thru; WB: Separate thru-rt; Change SB, EB, and WB rt to allow rt on red, may require removing HOV lanes.	(2) & (3)
Lawrence Expwy. & Kifer Rd.	Grade Separation	(2) & (3)
Lawrence Expwy. & Oakmead Pkwy.	SB: Add thru; WB: Add rt; NB: Add thru, remove HOV lanes; or grade separation.	(2) & (3)
Lawrence Expwy. & Homestead Rd.*	SB: Add thru lane; WB: Separate shared thru-rt lane into thru and rt lanes, and add thru lane; NB and EB: Add thru lane, remove HOV lanes; or grade separation.	(2) & (3)
Central Expwy. & Bowers Ave.*	NB: Add lt lane; SB: Add 1 lt and 1 thru lane; EB: Add 1 lt and 1 thru lane, change shared thru-rt lane to thru lane; WB: Add 3 thru lanes; Or, construct urban interchange. Both options will require right-of-way take.	(2)
Central Expwy. & Oakmead Pkwy.*	NB: Change shared thru-rt lane to rt lane; SB: Add 2 lt lanes; EB: Add 3 thru lanes; WB: Add 3 thru lanes; Or construct urban interchange. Both options will require right-of-way take.	(2)
Mary Ave. & Central Expwy.*	SB: Separate shared thru-rt lane into thru and rt lanes; NB: Add right-turn lane; EB and WB: Add thru lane; modify signal accordingly.	Yes/(2)
Central Expwy. & Whisman Rd.*	WB: Change rt lane to shared thru-rt lane. This will require removal of the traffic island in the NW corner and signal modification.	Yes/(2)
Central Expwy. & Moffett Blvd.*	EB: Add thru lane, will require relocating the median island.	Yes/(2)
Central Expwy. & Shoreline Blvd. (East)*	EB: Change one the two left-turn lanes to a thru lane. This will require removing portion of median island east of the Shoreline ramp.	Yes/(2)
Central Expwy. & Rengstorff Ave.*	NB: Change shared thru-lt to thru lane; EB: Change rt lane to shared thru-rt lane. This will require widening on the south side of Central east of Rengstorff, modifying signal, and adjusting signal timing and phasing.	Yes/(2)

Note

* Denotes CMP Intersection

5 seconds were added to the delay at Lawrence & Tasman because of Light Rail

(1) = Mary Avenue Extension or other improvement alternatives to be refined by the Route 237 Corridor/Mini-Triangle Study currently being studied jointly by VTA and Sunnyvale

(2) = Currently under study by the County Roads and Airport Department as part of the Comprehensive County Expressway Planning Study

(3) = Sunnyvale Transportation Strategic Program (TSP)

Source: CCS (August 2002)