

DRAFT Cupertino Transportation Projects List:

No.	Project Name:	Description:	Cost Estimate	Funding	Bike Plan Tier	School	Congestion Mitigation	Bike/Ped	Schedule	Project Extents	Notes
2016 Bicycle Transportation Plan Projects											
1	Stevens Creek Blvd Class IV Bikeway	Design & construct separated bikeway	\$7.2M	Phase I funded	1	N	Y	Y		Stevens Creek Blvd: Wolfe Rd Foothill Blvd	VERBS grant denied ATP denied
1.a	<i>Stevens Creek Blvd Class IV Bikeway</i>	Construction Design	1.1M	Unfunded	1	N	Y	Y		Stevens Creek Blvd: Wolfe Rd Foothill Blvd	
1.b	<i>Stevens Creek Blvd Class IV Bikeway</i>	Phase I: S Tantau Ave to N Wolfe Rd	\$1.8M	Apple Funded	1	N	Y	Y	Construction 2019	Stevens Creek Blvd: S Tantau Ave - N Wolfe Rd	VERBS grant denied ATP grant denied
1.c	<i>Stevens Creek Blvd Class IV Bikeway</i>	Phase II: N. Wolfe Rd to Blaney Ave	\$400k	Unfunded	1	N	Y	Y		Stevens Creek Blvd: Wolfe Rd Blaney Ave	VERBS grant denied ATP grant denied
1.d	<i>Stevens Creek Blvd Class IV Bikeway</i>	Phase III: Blaney Ave to N De Anza Blvd	\$900K	Unfunded	1	N	Y	Y		Stevens Creek Blvd: De Anza Blvd to N De Anza Blvd	VERBS grant denied ATP grant denied
1.e	<i>Stevens Creek Blvd Class IV Bikeway</i>	Phase IV: N. De Anza Blvd to Stelling Rd	\$1.5M	Unfunded	1	N	Y	Y		Stevens Creek Blvd: De Anza Blvd to Stelling Rd	VERBS grant denied ATP grant denied
1.f	<i>Stevens Creek Blvd Class IV Bikeway</i>	Phase V: Stelling Rd to Bubb Rd	\$2.2M	Unfunded	1	N	Y	Y		Stevens Creek Blvd: Wolfe Rd Foothill Blvd	VERBS grant denied ATP grant denied
1.g	<i>Stevens Creek Blvd Class IV Bikeway</i>	Phase VI: Bubb Rd to N Foothill Blvd	\$400K	Unfunded	1	N	Y	Y		Stevens Creek Blvd: Wolfe Rd Foothill Blvd	VERBS grant denied ATP grant denied
2	McClellan Rd Separated Bikeway	Separated bikeway from along McClellan Rd providing safer bicycle travel to tri school area, Civic Center, etc.	\$5.2M	\$1M-\$2M additional needed	1	Y	Y	Y	Phase 1 Construction Spring 2019	McClellan Rd: Torre Ave - Imperial Ave	\$1M VERBS grant award pending (federal \$). TFCA funds: \$140,822
2a	<i>McClellan Rd Separated Bikeway</i>	Construction Design		Fully Funded	1	Y	Y	Y			
2b	<i>McClellan Rd Separated Bikeway</i>	Phase 1(a): Construction of separated bikeway from Imperial Ave to Stelling Rd. Phase 1 (b) includes signalized intersections: Bubb Rd/McClellan & Stelling/McClellan		\$4,059,882	1	Y	Y	Y		McClellan Rd: Imperial Ave to Stelling Rd	
2c	<i>McClellan Rd Separated Bikeway</i>	Phase II: Construction of separated bikeway from Byrne to Imperial Ave	\$1M	Partially funded	1	Y	Y	Y		McClellan Rd: Byrne Ave to Imperial Ave	\$1M VERBS award pending
2d	<i>McClellan Rd Separated Bikeway</i>	Phase III: Construction of separated bikeway from Stelling Rd to Torre Ave	\$1M	Partially funded	1	Y	Y	Y		McClellan Rd: Stelling Rd to Torre Ave	\$1M VERBS award pending

No.	Project Name:	Description:	Cost Estimate	Funding	Bike Plan Tier	School	Congestion Mitigation	Bike/Ped	Schedule	Project Extents	Notes
3	Bicycle Blvd	Class III bike boulevards: Traffic calming & bicycle wayfind project.	\$100K	Partially funded	1	Y	Y	Y		Linda Vista - Hyanisport Dr	funds available for any bike blvd project.
4	Historic De Anza Trail	Feasibility Study: 5 mile bike-ped trail along UPRR corridor from Saratoga to Rancho San Antonio Open Space	\$259k	Funded	1	Y	Y	Y		Synder Hammand House (Rancho San Antonio) to City of Saratoga boundary	Study underway
4a	<i>Historic De Anza Trail</i>	Construction Design	\$1.5M	Ununded	1	Y	y	y			
4b	<i>Historic De Anza Trail</i>	Construction	\$10M	Unfunded	1	Y	Y	Y			
5	Bicycle Blvd	Class III bike boulevards: Traffic calming & bicycle wayfind project.	\$100k	Partially funded	1	Y	Y	Y		Portal Ave/Merritt Dr to Portal Ave/Wintergreen	
6	Carmen Rd Ped/Bike Bridge	Prepare study on bike-ped bridge over Stevens Creek Blvd at Carmen Rd.	TBD	Funded	2	Y	Y	Y	Study underway	Study underway	Survey open until 1/28/19
6a	<i>Carmen Rd Ped/Bike Bridge</i>	Construction Design	\$525K		2						
6b	<i>Carmen Rd Ped/Bike Bridge</i>	Construction of bike-ped bridge over Stevens Creek Blvd at Carmen Rd	\$3.5M	Study Funded	2	Y	y	Y	Study underway	Study underway	
7	Junipero Serra Trail	Feasibility Study: Off-street trail parallel to creek channel, Calabazas Creek, connecting to Mary Ave bridge	\$7.1M - \$52M	Study Funded	1	Y	Y	Y			Wide range in cost estimate from range of options for x-ings.
7a	<i>Junipero Serra Trail</i>	Construction Design	\$1.8M	Design Unfunded	1	Y	Y	Y			
7b	<i>Junipero Serra Trail</i>	Construction phase		Construction unfunded	1	Y	Y	Y			
8	Regnart Creek Trail Construction	Construction of Regnart Creek Trail	\$2M	Construction unfunded	2	Y	Y	Y	In design	Regnart Creek Channel: Pacifica Dr to E Estate Dr.	
9	Bubb Road Project	Planning/Design: Class IV bike lanes, sidewalks, pedestrian refuges, enhanced striping etc.	Unfunded	\$136,590	3	Y	Y	Y	Dependent on funding	Bubb Rd between McClellan Rd and Stevens Creek Blvd	
9a	<i>Bubb Road Project</i>	Construction & Contingency	Unfunded	\$1,843,965	3	Y	Y	Y	Same as above	Same as above	
10	Stevens Creek Trail & Bridge over UPRR	Bike-ped bridge study over UPRR railroad to access Rancho San Antonio Open Space	\$300k	Unfunded	3	N	N	Y		Union Pacific Railroad - Rancho San Antonio entrance	
11	Linda Vista Trail	Feasibility Study: 1/3 mile ped-bike trail along eastern edge of Deep Cliff Golf	\$100k	Unfunded	3	N	N	Y			1-year shot clock land transfer MOU
11a	<i>Linda Vista Trail</i>	Construction Design	\$300k	Unfunded	3	N	N	Y			
11b	<i>Linda Vista Trail</i>	Construction	\$2M		3	N	N	Y			

No.	Project Name:	Description:	Cost Estimate	Funding	Bike Plan Tier	School	Congestion Mitigation	Bike/Ped	Schedule	Project Extents	Notes
12	Bicycle Wayfinding Program	Install wayfinding signage throughout Cupertino		Study Complete						Various locations Citywide	First phase of installation complete
13	Mary Ave Protected Bikeway*	New concept: two-way on street bikeway/cycletrack from Stevens Creek to Mary Ave Bike/Ped bridge.	\$165k	Unfunded	NR	Y	Y	Y		Mary Ave: Stevens Creek Blvd to Mary Ave Bike/Ped bridge	Shown as buffered bike lane in bike/ped plan. Non-measure B project.

Bike Plan Approximate Total \$60,349,000

*Mary Ave Protected Bikeway envisions linking Junipero Serra Trail w/Stevens Creek PBL. Not studied in 2016 Bike Plan. Envisioned w/plastic bollards and replaced w/permanent features in the future.

DRAFT Cupertino Transportation Projects List:

No.	Project Name:	Description:	Budgeted Amount	Cost Estimate	School	Congestion Mitigation	Bike/Ped	Schedule	Project Extents	Notes
Walk/ADA Projects										
1	Sidewalk Improvements - Orange & Byrne	Acquire right-of-way as needed, design, and construct new sidewalks.	\$3,888,000	\$3,888,000	N	N	Y		Byrne Ave: McClellan Rd - Granada Ave	
2	ADA Improvements	Ongoing program, funded annually, to improve accessibility at all public facilities throughout City.	\$620,000	\$620,000	Y	N	Y	Continual		
3	Blackberry Farm Entrance Rd Improvements - Construction (New)	Construct new entrance road to Blackberry Farm to provide better access with ADA improvements.	Unfunded w/no cost estimate	Unfunded w/no cost estimate			Y		Black Berry Farms entrance, Bryne Ave - Black Berry Farms	
4	McClellan Rd Sidewalk Improvements	Design & construct sidewalk improvements.	\$2,035,000	\$2,035,000	N	N	Y	In Phase II	McClellan Rd: Orange Ave -San Leandro Ave	
5	McClellan Rd Sidewalk Installation	Design & construct approximately 650 LF of sidewalk on the north side of McClellan between 85 and Rose Blossom.	\$430,000	\$430,000	N	N	Y		McClellan Rd: Rose Blossom Dr. - Hwy 85 Overcrossing	

Walk/ADA Projects Total: \$6,973,000

DRAFT Cupertino Transportation Projects List:

No.	Project Name:	Description:	Budgeted Amount	Cost Estimate	School	Congestion Mitigation	Bike/ Ped	Schedule	Project Extents	Notes
Other Projects Identified										
1	Community Shuttle/ Micro-Transit Pilot	Community Shuttle: connect local destinations and Sunnyvale Caltrain, either fixed-route or on-demand service	\$0	\$1.5M	Maybe	Y	N	18 month pilot	Citywide	18 month pilot project. Non-Measure B Project
2	Stevens Creek Blvd/ Bandlely Dr. Traffic Signal Upgrades	Design & construct upgrades to traffic signal at Bandlely Dr. & Stevens Creek Blvd. Includes new conduit, wiring, traffic signal boxes & two new signal heads.	\$150k	Design plans: \$15k	Y	Y	Y	Design underway	Project Underway	Non-Measure B Project
3	Street Median Irrigation & Plant Replacement (De Anza Phase 1)	Design and construct replacement irrigation and plantings of street medians.	Funded		N	N	N			Non-Measure B Project
4	De Anza Median Island Landscaping Phase II	Design and construct replacement arbor, irrigation and plantings in street medians.	Design funded	\$1,546,500	N	N	N		Phase II covers De Anza between I-280 & Mariani Avenue.	Non-Measure B Project
5	De Anza Blvd/McClellan Pacifica Signal Modification (McClellan Separated Bikeway Project Phase IV)	Traffic Signal Upgrades	\$158,809	\$160k in matching grant, other funds may be required at later date	Y	Y	Y		De Anza Blvd & Pacifica Dr Intersection.	Non-Measure B Project

Other Projects Total: \$3,221,500

DRAFT Cupertino Transportation Projects List:

No.	Recommendation:	Item	Unit	Qty	Unit Cost	Total	Project Extents	Notes	Quick Summary
School Walk Audit Recommendations									
1	Abraham Lincoln Elementary/Monta Vista High School					Total	21710 McClellan Rd		Safety improvements @ Lincoln Elementary & Monta Vista High School, new striping, rectangular rapid-flashing beacon, sidewalk widening, & hi-visibility crosswalks.
1a	Bryne Ave @ McClellan Road: Add advance yield lines. Construct curb ramp and sidewalk in NW corner. Study sight lines and consider additional advance warning stencils if crosswalk is	Yield Marking (Sharks Tooth)	LF	43	\$15	\$645			
		Remove Stripe/Legend	LF	18	\$25	\$450			
1b	McClellan Road at Orange Ave: Add advance yield lines (may require re-striping of KEEP CLEAR stencil). Review signal length and consider retiming or replacing with RRFB.	Yield Marking (Sharks Tooth)	LF	43	\$15	\$645	Byrne Avenue at McClellan Road		
		Keep Clear Legend	EA	2	\$900	\$1,800			
		Remove Stripe/Legend	LF	18	\$25	\$450			
1c	Lincoln Elementary Uncontrolled Crosswalk: Review signal length and consider retiming or replacing with RRFB.	Replace Beacon with RRFB. Assume replacing beacons with RRFB. Estimate from installed Carmanah Unit.	LF	1	\$7,000		McClellan Road at Orange Avenue		
1d	McClellan Road at Imperial Avenue: Implement high-viz crosswalk in the eastern leg of the intersection with Assembly B & D signage.	24" High Visibility Stripe	LF	80	\$6	\$480			
		Yield Marking (Sharks Tooth)	LF	30	\$15	\$450			
		Assembly B & D signage.	EA	2	\$0	\$0			
1e	Widen sidewalk on west side Fort Baker Drive between Presidio Drive	Sidewalk widening (additional width 5'). Assume widening between existing sidewalk and school	SF	2650	\$15	\$39,750			
		Retaining Wall	LF	530	\$100	\$53,000			
		Fence Relocation	LF	530	\$20	\$10,600			
		30% mark up (traffic control, mobilization, clearing and grubbing)	LS	1	\$27,825	\$27,825			
1f	Hyannisport Dr at Fort Baker Drive: Reconstruct intersection to close slip lane onto Fort Baker Drive.	Reconstruct intersection to close slip lane	LS	1	\$75,000	\$75,000	Hyannisport Drive at Fort Baker Drive		

\$211,095

2	Sam H. Lawson Middle School					Total	10401 Vista Dr.		Safety improvements at Lawson Middle School, including striping changes, new ADA curb ramps, and class III bike route signage.
2a	Mariani Avenue/Infinite Loop: -Conduct traffic study along Mariani Avenue/Inifnite Loop -Convert transverse crosswalk to yellow high-visibility crosswalk	Conduct traffic study	EA	1	\$50,000	\$50,000			
		24" Yellow High-Visibility crosswalk	LF	125	\$6	\$750			
2b	Merritt Drive/Larry Way/Vista Drive. Install in-street school crossing signs (R1-6) in the crosswalks across Merritt Drive	R1-6: In Street Crossing Signs	EA	1	\$350	\$350			
2c	Apple Tree Lane/Vista Drive -Install KEEP CLEAR markings in both northbound and southbound directions of the intersection -Install in-street school crossing sign in the crosswalk across Vista Drive	Keep Clear Ledgend	EA	2	\$900	\$1,800			
		12" Limit Line	LF	84	\$3	\$252			
2d	Vista Drive -Install Class III Bike Route signage and marking (sharrows)	Sharrows	EA	8	\$450	\$3,600			
		Share the Road Sign	EA	8	\$0	\$0			

\$56,752

3	Sedgewick Elementary School					Total	19200 Phil Ln.		Safety improvements at Sedgewick Elementary School, including upgraded ADA curb ramps, sidewalk widening, and crosswalk adjustment.
3a	Phil Lane/Finch Ave -Shift crosswalk across Phil Lane to make x-walks perpendicular -Install ADA-compliant ramps	Curb Ramp	EA	3	\$4,000	\$12,000			
		Remove and relocate stripe crosswalk	LF	75	\$12	\$900			
		Remove and relocate stop bar	LF	20	\$6	\$120			
3b	Tilson Avenue/Tantau Avenue - Install ADA-compliant curb ramps on western corners -Install high-visibility crosswalks	Curb Ramp	EA	2	\$4,000	\$8,000		Funded by Bike Blvd Project	
		24" High Visibility Stripe	LF	692	\$6	\$4,152		Funded by Bike Blvd Project	
		Remove Stripe/Legend	SF	531	\$25	\$13,275			
		12" Limit Line	LF	113	\$3	\$339			
3c	Phil Lane Drop Off -Widen sidewalk on Phil Lane -Install Loading Zone During School Hours signs on south side of Phil Lane between western drop-off loop driveway and Tantau Avenue -Refresh red curb between driveways -Trim bushes on western side of drop-o loop and bus loop exit	Sidewalk widening by 4ft for-95 LF	SF	380	\$15				
		White Curb	LF	25	\$6				
		Loading Zone Sign	EA	2	\$0	\$0			
	Phil Lane/Tantau Avenue	Curb Ramp	EA	2	\$4,000	\$8,000			

3d	- Install ADA-compliant curb ramps	Detectable Warning Surface	EA	2	\$500	\$1,000			
	- Install detectable warning surface at either end of median refuge								
3e	Tantau Ave/Barnhart Ave: - Replace existing beacon with Rectangular Rapid Flashing Beacon or other LED flashing beacon. - Install curb extension at intersection corners - Widen sidewalk on Tantau Avenue to match existing paint on street - Realign high-visibility crosswalk on Barnhart Avenue	Replace Beacon with RRFB. Assume replacing beacons with RRFB. Estimate from installed Carmanah Unit	EA	1	\$7,000	\$7,000			
		Curb Extentions	EA	2	\$10,000	\$20,000.00			
		Sidewalk widening of 6ft for 100 ft	SF	600	\$15	\$9,000			
		Curb and Gutter	LF	100	\$55	\$5,500			
		30% mark up (traffic control, mobilization, clearing and grubbing)	LS	1	\$12,450	\$12,450			
		Remove Stripe/Legend	SF	172	\$25	\$4,300			
		12" Limit Line	LF	22	\$3	\$66			
		Stop Legend	EA	1	\$450	\$450			
3g	Potentially re-work parking lot to alleviate on-street traffic.								

\$108,352

4	Hyde Middle School					Total	19325 Bollinger Rd		Safety improvements at Hyde Middle School, including new hi-viz yellow crosswalk and curb extensions w/ADA ramps.
4a	Shadygrove Drive/Hyde Avenue -Conduct stop sign warrant analysis for Hyde Avenue approach -Install yellow high-visibility crosswalk on east side of intersection -Trim vegetation around intersection	Stop Warrant Study	LS	1	\$2,000	\$2,000			
		Stop Sign (and Sign Support)	EA	1	\$700	\$700			
		Stop Legend	EA	1	\$450	\$450			
		12" Limit Line	LF	15	\$3	\$45			
		Trim Vegetation	LS	1	\$0	\$0			
4b	Disney Lane/Miller Avenue -Install yellow high-visibility crosswalk	24" Yellow High-Visibility crosswalk	LF	138	\$6	\$828			
		Remove Stripe/Legend	SF	126	\$25	\$3,150			
		12" Limit Line	LF	20	\$3	\$60			
		Stop Legend	EA	1	\$450	\$450			
4c	Willowgrove Lane/Hyde Avenue -Install curb extensions with ADA-compliant curb ramps on both sides of intersection	Curb Extentions	EA	2	\$15,000	\$30,000			
4d	Bollinger Road/Miller Avenue -Install yellow high-visibility crosswalks on all legs of intersection	24" Yellow High-Visibility crosswalk	LF	840	\$6	\$5,040			
		Remove Stripe/Legend	SF	600	\$25	\$15,000			
		12" Limit Line	LF	160	\$3	\$480			
4e	Hyde Avenue/Bollinger Road -Trim vegetation on Bollinger Road	Trim vegetation	LS	1	\$0	\$0			

4f	Potentially rework parking lot to alleviate on-street traffic.						Private Property	CUSD request	
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\$58,203

5 Garden Gate Elementary School						Total	10500 Ann Arbor Ave		Safety improvements at Garden Gate Elementary including new ramps, hi-visibility x-walks, and new walkway.
5a	School Drop-Off: Shift, extend, & raise ped walkway through parking lot. Install ADA-compliant curb ramps at either end of walkway.					\$20,000			
5b	Greenleaf Drive School Frontage: Trim bushes along sidewalk -Unlock school access gate during drop-off/pick-up -Consider removing parking on the north side of curve -Long term: Obtain easement from school district and install detached sidewalk	Trim bushes	LS	1	\$0	0			
5c	Flora Vista Avenue/Greenleaf Drive Install yellow high-visibility crosswalk across Greenleaf Drive -Install ADA-compliant curb ramp on southwest corner of	24" yellow high-visibility crosswalk	LF	50	\$6	\$4,300			
		Curb Ramps	EA	1	\$4,000				
5d	Stelling Road/Greenleaf Drive -Study pedestrian signal timing	Signal Timing	EA	1	\$10,000				
5e	Castine Avenue/Greenleaf Drive -Conduct crossing guard warrant analysis for southbound Castine	Yield Limit (Sharks Tooth)	LF	45	\$15	\$1,175			
		Remove Stripe/Legend	LF	20	\$25				
5f	Ann Arbor Avenue/Greenleaf Drive -Install curb extension and ADA-compliant curb ramp at crosswalks	Curb Ramps	EA	1	\$4,000	\$4,000			
5g	Ann Arbor Avenue -Install yellow high-visibility crosswalks and yield markings across Grenola Drive and Hazelbrook Drive -Trim landscaping -Conduct yield sign warrant analysis on Hazelbrook Drive -Long term: Close sidewalk gaps	Yield Warrant Study	LS	2	\$2,000	\$107,480			
		Yield Sign (and Sign Support)	EA	2	\$700				
		Yield Legend	EA	2	\$450				
		Yield Limit (Sharks Tooth)	LF	50	\$6				
		Sidewalk 5ft wide	SF	2750	\$15				
		Curb and Gutter	LF	550	\$55				
		Curb Ramps	EA	1	\$4,000				
		30% mark up (traffic control, mobilization, clearing and grubbing)	LS	1	\$24,630				
		24" Yellow High-Visibility crosswalk	LF	125	\$6				

\$136,955

* Items 6 - 13 below are in random order.

6 Homestead High School					*Total	21370 Homestead Rd	*Sunnyvale VERBS grant now covers all projects listed for Homestead. Cupertino contribution of approximately \$125,000		
6a	Install ADA-compliant curb ramps. Tighten turn radii at corners. Install hi-viz x-walk.	Curb Ramp			unknown	Mackenzie Drive at Homestead Road	Apple contribution towards Sunnyvale VERB grant	Sunnyvale VERBS grant	
6b	Install hi-viz x-walks. Reconstruct SW corner to tighten turning radius. Install new ramp approx. 25 feet west of intersection curb ramp. Add bike path behind bench shelter to connect to Mary Avenue Bridge path. Reduce vehicle lane widths to 11' to convert existing bike lanes to buffered bike lane. Add flexible delineators in buffer space.	Consultant for all-red pedestrian phase-\$5,000	LS	1	\$5,000	Mary Ave at Homestead Rd.	Apple contribution towards Sunnyvale VERB grant	Sunnyvale VERBS grant	
		Reconstruct southwestern corner	LS	1	\$50,000			Sunnyvale VERBS grant	
		Curb Ramp	EA	1	\$4,000			Sunnyvale VERBS grant	
		bicycle path to connect to Mary Avenue Bridge path. Assume (6ft wide by 100ft long)	SF	600	\$15			\$101,400	Sunnyvale VERBS grant
		Restriping and delineator installation \$10K	LS	1	\$10,000			Sunnyvale VERBS grant	
		30% mark up (traffic control, mobilization, clearing and grubbing)	LS	1	\$23,400			Sunnyvale VERBS grant	
6c	Install high-viz x-walks at x-ings crossings. Study signal mod for bi-directional travel in driveway.				unknown	Kennewick Dr @ Homestead Road	Apple contribution towards Sunnyvale VERB grant	Sunnyvale VERBS grant	
6d	Extend double-yellow in center turn-lane & install flexible delineators to prevent left turns from Horseshoe onto Homestead Rd. Study signal mod to allow for bi-directional travel in driveway.				unknown	Horseshoe	Apple contribution towards Sunnyvale VERB grant	Sunnyvale VERBS grant	
6e	Make western driveway right-in, right out. Add exible delineators on Homestead Rd to block vehicles from turning left out of parking lot.				unknown	Student parking lot	Apple contribution towards Sunnyvale VERB grant	Sunnyvale VERBS grant	
6f	Pave informal path to allow for safer bicycle access.	bicycle path. Assume (6ft wide by 15ft long)	SF	150	\$15	\$2,250	South Mary Avenue parking lot access	Apple contribution towards Sunnyvale VERB grant	Sunnyvale VERBS grant
			Total:		\$103,650				

6e	The Sunnyvale VERBS grant funds 2 projects in Sunnyvale near Homestead High School. Grant funded work includes signal upgrades, green buffered bike lanes and other treatments not listed above.							
	A: \$1,265,000 (\$265,000 local match) Homestead Improvements							
	B: \$1,163,000 (\$244,000 local match) Ped Bike Infr. Improvemnts							

7	L.P. Collins Elementary School	10300 N Blaney Ave						
7a	Merritt Drive/Blaney Avenue -Install ADA-compliant curb ramps	Curb Ramps	EA	4	\$4,000	\$16,000		
		24" High Visibility Stripe	LF	480	\$6	\$2,880		
7b	Blaney Ave/Pear Tree Lane - Install ADA-compliant curb ramps -Install School Assembly B signage	Curb Ramps	EA	2	\$4,000	\$8,000		
		School Assembly B signage	EA	±	\$0	\$0		
7c	Forest Avenue/Plum Tree Lane -Install yellow high-visibility crosswalks on all legs of intersection -Install yield sign and yield line on Toni Court -Install yield lines prior to crosswalks on Forest Avenue	24" High Visibility Stripe	LF	410	\$6	\$2,460		
		Remove Stripe/Legend	SF	150	\$25	\$3,750		
		12" Limit Line	LF	21	\$3	\$63		
		Stop Legend	EA	1	\$450	\$450		
		Yield Marking (Sharks Tooth)	LF	42	\$15	\$630		
7d	Forest Avenue/Blaney Avenue -Install curb extension on southwest corner	Reconstruct Return	LS	1	\$10,000	\$10,000		
7e	School Frontage -Install green conflict striping in bikes lanes -Extend detectable warning surface along drop-off area			1	\$10,000	\$10,000		
7f	Blaney Avenue/Twilight Court -Install yellow high-visibility crosswalk across Twilight Court -Install School Assembly B signage	24" High Visibility Stripe	LF	130	\$6	\$780		
		Remove Stripe/Legend	SF	55	\$25	\$1,375		
		12" Limit Line	LF	20	\$3	\$60		
		Stop Legend	EA	1	\$450	\$450		
7g	Bright Horizons Parking Lot/Portal Avenue -Install swing gate at "Staff Parking Only" marking area (to be closed during school hours) -Install yellow high-visibility crosswalk at Portal	24" High Visibility Stripe	LF	120	\$6	\$720		funded by Bike Blvd
		Remove Stripe/Legend	SF	335	\$25	\$8,375		funded by Bike Blvd

\$65,993

8	William Faria Elementary School	10155 Barbara Ln						
8a	Scofield Drive/Barbara Lane -Study feasibility of crossing guard					\$0		

8b	School Drop-Off -Reconstruct driveways to city standards -Install truncated domes on either side of driveway at sidewalks -Widen sidewalk at southern end to approximately 15 feet -Remove pole at exit driveway, south side -Remove red curb at southwestern corner -Install "Vanpool Parking Only" signs at southwestern corner			1	\$15,000	\$15,000			
8c	Pepper Tree Lane/Stelling Road	24" High Visibility Stripe	LF	110	\$6	\$660	\$0		
	-Install yellow high-visibility crosswalk across Pepper Tree Lane	Remove Stripe/Legend	SF	73	\$25	\$1,825	\$0		
		12" Limit Line	LF	18	\$3	\$54	\$0		
8d	Pepper Tree Lane/Barbara Lane -Study feasibility of crossing guard -Install school assembly B signage -Install red curb from light pole to driveway	Red Curb	LF	20	\$6	\$120	\$0		
8e	Shelly Drive/Bonny Drive -Install high-visibility crosswalk across Shelly Drive -Conduct yield sign warrant analysis	24" High Visibility Stripe	LF	140	\$6	\$840	\$0	85698	

\$18,499

9 Stevens Creek Elementary School

10300 Ainsworth Dr.

9a	Hartman Drive/Ainsworth Drive -Encourage City of Los Altos to install a vertical centerline treatment on Ainsworth Drive -Encourage City of Los Altos to install sidewalks near intersection					\$0.00			
9b	Bahl Street/Ainsworth Drive -Conduct crossing guard study					\$0.00			
9c	Vista Knoll Boulevard/Bahl Street Install high-viz x-walk across Vista Knoll Blvd. Install ADA-compliant curb ramp. Install KEEP CLEAR marking in intersection.	24" High Visibility Stripe	LF	60	\$6	\$8,580			
		Curb Ramp	EA	1	\$4,000				
		Keep Clear legend	EA	2	\$1,000				
		12" Limit Line	LF	80	\$3				
		30% mark up (traffic control, mobilization, clearing and grubbing)	LS	1	\$1,980				
9d	Ainsworth Dr/Vista Knoll Blvd. -Install red curb between curb ramp and Varian Way. -Conduct stop sign warrant analysis on Vista Knoll Blvd	Red Curb	LF	80	\$3	\$240			
9e	Varian Way -Improve existing speed bump -Ensure vehicle gates in Varian Park parking lot are closed at all	Improve existing speed bump	EA	1	\$3,000	\$3,000			
		Install No Stopping Sign	EA	2	\$0				

\$11,820

10 Regnart Elementary School

1170 Yorkshire Dr.

10a		Sidewalk widening by 5ft for 400LF	SF	2000	\$15	\$265,200			
		Curb and Gutter	LF	400	\$55				
		Remove full size redwood trees	EA	19	\$8,000				
		30% mark up (traffic control, mobilization, clearing and grubbing)	LS	1	\$61,200				
10b	Yorkshire Drive -Install concrete paths between sidewalk and gates	Sidewalk 65LF 5'W X 65' LF X2	SF	650	\$15	\$9,750			
10c	Regnart Road/Bubb Road -Install missing sidewalk -Install yield markings on both sides of crosswalk on Bubb Road	Sidewalk by 5ft for 400LF	SF	450	\$15	\$15,444			
		Curb and Gutter	LF	90	\$55				
		Yield Marking (Sharks Tooth)	LF	30	\$6				
		30% mark up (traffic control, mobilization, clearing and grubbing)	LS	1	\$3,564				
10d	School Drop-Off -Repaint drop-off loop					\$3,000			
10e	Yorkshire Drive/Yorkshire Court -Widen sidewalk on eastern side of Yorkshire Drive by approximately 3 feet -Install curb extension for southern portion of driveway entrance -Install yellow high-visibility crosswalk across Yorkshire Drive -Install ADA -compliant curb ramp for high-visibility crosswalk -Install yield markings on both sides of crosswalk on Yorkshire Court -Install No Left Turn sign to discourage left turns into driveway	Sidewalk Widening by 3ft for 50ft	SF	150	\$15	\$30,602			
		Curb and Gutter	LF	50	\$55				
		Curb extension	EA	1	\$10,000				
		24" High-visibility crosswalk	LF	50	\$6				
		Curb Ramps	EA	2	\$4,000				
		Yield Marking (Sharks Tooth)	LF	40	\$6				
		30% mark up (traffic control, mobilization, clearing and grubbing)	LS	1	\$7,062				
10f	Belknap Drive/Yorkshire Drive -Install curb extension on southeastern corner	Curb Extensions	EA	1	\$15,000	\$15,000			

\$338,996

11 Cupertino High School

10100 Finch Ave

Stevens Creek Boulevard/Finch Avenue -Reconfigure intersection to tighten radius on southeast corner to eliminate slip lane	Tighten Curb Radius	EA	2	\$7,000			
	Curb Ramp	EA	4	\$4,000			
	24" yellow high visibility crosswalk (East Leg)	LF	285	\$6			

11a	-Tighten radius and install ADA-compliant curb ramps on southwestern corner of intersection -Install yellow high-visibility crosswalks on east side and south side of intersection -Long term: Install protected intersection and bicycle signal with Lead Bicycle Interval when separated bikeway is installed along Stevens Creek Boulevard	24" yellow high visibility crosswalk (south Leg)	LF	180	\$6	\$361,127		86145 Jenn	
		Signal Modification-Protected Bike Lane (From HMH Quote)	LS	1	\$245,000				
		30% mark up (traffic control, mobilization, clearing and grubbing)	LS	1	\$83,337				
11b	Finch Avenue/Sorenson Avenue and Finch Avenue/Craft Drive -Install ADA-compliant curb ramps	Curb Ramp	EA	4	\$4,000	\$16,000			
11c	Southern Parking Lot -Install raised pedestrian walkways across driveways and reconfigure curbs -Install painted walkway through parking lot	N/A	N/A	N/A	\$20,000				
11d	Miller Avenue/Calle de Barcelona (location not shown on map) -Study traffic signal timing to add protected left-turn phase onto Calle de Barcelona from Miller Avenue	Signal Modification-Protected Bike Lane (From HMH Quote)	LS	1	\$100,000	\$100,000			
11e	Finch Avenue -Widen sidewalk between Tilson Avenue and emergency access gate north of the baseball field to approximately eight feet	Sidewalk widening 8 ft width for 600 LF	SF	4800	\$15	\$93,600			
		30% mark up (traffic control, mobilization, clearing and grubbing)	LS	1	\$21,600				
11f	Calle de Barcelona/Finch Avenue -Install KEEP CLEAR marking in intersection -Move crosswalk/stop sign closer to Finch Avenue -Install curb extensions and ADA-compliant curb ramps at crosswalk across Finch Avenue	Keep Clear Legend	EA	2	\$900	\$48,776			
		Relocate Stop Sign	EA	1	\$700				
		Remove and relocate 12" limit line	LF	95	\$6				
		Stop Legend	EA	1	\$450				
		Curb Extensions	EA	2	\$7,000				
		Drainage Modifications	EA	2	\$10,000				
		30% mark up (traffic control, mobilization, clearing and grubbing)	LS	1	\$11,256				

\$619,503

12 Eaton Elementary School

20220 Suisun Dr.

12a	Pacifca Drive/Whitney Way -Install speed limit sign east of Whitney Way	Install sign	EA	1	\$0	\$0			
12b	Suisun Drive/Farallone Drive -Replace school Assembly Sign with stop sign on Suisun Drive -Remove "State Law Yield to Pedestrians in Crosswalk" sign	Stop Warrant Study	LS	1	\$2,000	\$3,250			
		Stop Sign (and Sign Support)	EA	1	\$700				
		Stop Legend	EA	1	\$450				
		Remove signs	EA	1	\$100				

12c	Farallone Drive -Consider installing raised crosswalk	Raised Crosswalk	EA	1	\$10,000	\$10,000			
12d	Farallone Drive Parking Lot -Convert some eastern parking spaces to loading zone		EA	1	\$500	\$500			
12e	John Drive/Farallone Drive -Install red curb on east side of Farallone Drive south of parking lot driveway	Red Curb	LF	70	\$3	\$210			
12f	La Roda Drive/Suisun Drive -Install yield sign on La Roda Drive -Install high-visibility crosswalk on La Roda Drive	Yield Legend	EA	1	\$450	\$975			
		24" Yellow High-Visibility crosswalk	LF	73	\$6				
		12" Limit Line	LF	29	\$3				
		Install Sign	EA	1	\$0				
12g	Blaney Avenue/Suisun Drive -Install ADA-compliant Type F curb ramp north of driveway and south of re hydrant -Pivot eastern end of southern crosswalk to connect to new ramp	Curb Ramp	EA	1	\$4,000	\$17,140			
		24" High Visibility Stripe	LF	175	\$6				
		Remove Stripe/Legend	SF	462	\$25				
		12" Limit Line	LF	30	\$3				
		Stop Legend	EA	1	\$450				
\$32,075									

13 John F. Kennedy Middle School		821 Bubb Rd.							
13a	Presidio Dr/Bubb Rd. Conduct STOP sign warrant analysis on Bubb Rd at Presidio Dr.	Stop Warrant Study	LS	1	\$2,000	\$4,360			
		Stop Sign (and Sign Support)	EA	2	\$700				
		Stop Legend	EA	2	\$450				
		12" Limit Line	LF	20	\$3				
13b	Shannon Court/Bubb Road/Hyannisport Drive -Trim overgrown tree on west side of Bubb Rd. Install yellow high-viz x-walk w/ advance stop line across Shannon Court	Trim Vegetation	LS	1	\$0	\$2,926			
		24" Yellow High-Visibility crosswalk	LF	125	\$6				
		Remove Stripe/Legend	SF	64	\$25				
		12" Limit Line	LF	42	\$3				
		Stop Legend	EA	1	\$450				
13c	Holly Oak Drive/Bubb Road -Install yellow high-visibility crosswalk with advance stop line across Holly Oak Drive	24" Yellow High-Visibility crosswalk	LF	138	\$6	\$2,469			
		Remove Stripe/Legend	SF	45	\$25				
		12" Limit Line	LF	22	\$3				
		Stop Legend	EA	1	\$450				
13d	Eastern School Drop-Off -Install Pull Forward signage at driveway entrance. Repave & widen pathway from sidewalk to school entrance to at least eight feet. Trim landscaping on Bubb Rd at driveway exit.					Unknown			
13e	Pumpkin Drive/Bubb Road -Install yellow high-viz xwalks with advance stop	24" Yellow High-Visibility crosswalk	LF	250	\$6	\$3,590			
		Remove Stripe/Legend	SF	44	\$25				

lines

12" Limit Line	LF	30	\$3
Stop Legend	EA	2	\$450

\$13,345

School Walk Audit Total: <i>(excludes Homestead High School, completed by City of Sunnyvale)</i>			\$1,671,588	