



## Appendix E – Yellow, Flash Don't Walk Intervals and Minimum Green Intervals for Bicycles Analyses

**City of Lafayette**  
**Pleasant Hill Road Corridor Study**  
**Yellow and Flash Don't Walk Analyses**

Intersection		Existing Timings								Calculated Timings				Proposed Timings			
#	Intersection Name	Direction	Phase	Crossing Distance <sup>1</sup> (ft)	Posted Speed Limit (mph)	Walk (sec)	FDW (sec)	Yellow (sec)	All-Red (sec)	FDW <sup>2</sup> (sec)	Calc FDW < Exist FDW?	CA MUTCD 2014 Yellow (sec)	Calc Yellow < Exist Yellow?	Walk (sec)	FDW (sec)	Yellow (sec)	All-Red (sec)
1	Pleasant Hill Road/Rancho View Drive	NB	2	-	40	-	-	4.0	1.0	-	No	4.4	No	-	-	4.4	1.0
		SB	6	-	35	-	-	4.0	1.0	-	No	4.1	No	-	-	4.1	1.0
		EB	4	88	25	5	20	3.0	1.0	22	No	3.6	No	5	22	3.6	1.0
		WB	4	-	25	-	-	3.0	1.0	-	No	3.6	No	-	-	3.6	1.0
2	Pleasant Hill Road/Greenvalley Drive	NB	6	55	40	7	15	4.0	1.0	11	YES	4.4	No	7	15	4.4	1.0
		SB	2	-	35	-	-	4.0	1.0	-	No	4.1	No	-	-	4.1	1.0
		EB	4	-	25	-	-	3.0	1.0	-	No	3.6	No	-	-	3.6	1.0
		WB	4	86	25	5	21	3.0	1.0	21	No	3.6	No	5	21	3.6	1.0
3	Pleasant Hill Road/Reliez Valley Road	NB	6	-	40	-	-	4.0	1.0	-	No	4.4	No	-	-	4.4	1.0
		SB	2	44	35	5	14	4.0	1.0	8	YES	4.1	No	5	14	4.1	1.0
		EB	8	74	30	7	16	3.0	1.0	18	No	3.7	No	7	18	3.7	1.0
4	Pleasant Hill Road/Springhill Road	NB	6	32	35	7	10	3.6	0.5	6	YES	4.1	No	7	10	4.1	0.5
		SB	2	47	35	7	10	3.6	0.5	10	No	4.1	No	7	10	4.1	0.5
		EB	8	76	25	7	18	3.0	0.5	19	No	3.6	No	7	19	3.6	0.5
		WB	4	-	25	-	-	3.0	0.5	-	No	3.6	No	-	-	3.6	0.5
5	Pleasant Hill Road/Stanley Boulevard/Deer Hill Road	NB	6	52	35	5	15	4.0	1.0	10	YES	4.1	No	5	15	4.1	1.0
		SB	2	52	35	5	15	4.0	1.0	10	YES	4.1	No	5	15	4.1	1.0
		EB	8	85	35	5	20	3.0	1.0	21	No	4.1	No	5	21	4.1	1.0
		WB	4	-	25	-	-	3.0	1.0	-	No	3.6	No	-	-	3.6	1.0

Notes:

<sup>1</sup>Crossing Distance is the measured distance (in feet) from Shortest Crossing Distance

<sup>2</sup>FDW Calculation is based on (Crosswalk Length (ft))/3.5 (ft/s) - Yellow - All Red.

<sup>3</sup> Pleasant Hill Road is assumed to be the N/S street for all intersections

**City of Lafayette**  
**Pleasant Hill Road Corridor Study**  
**Minimum Green Timing Evaluation for Bicycle Crossing**

Intersections	Direction	Phase	Distance from limit line to far side of last conflicting lane (ft)	Yellow	All Red	Minimum Green Time				
						Existing (sec)	Proposed (sec)		Final	
1. Pleasant Hill Road/Rancho View Drive	NBT	2	67	4.4	1.0	10.0	5.6	6.0	10.0	OLD
	NBL	5	87	4.4	1.0	4.0	6.9	7.0	7.0	NEW
	SBT	6	67	4.1	1.0	10.0	5.9	6.0	10.0	OLD
	EBT	4	79	3.6	1.0	4.0	7.2	7.0	7.0	NEW
	EBL	4	114	3.6	1.0	4.0	9.6	10.0	10.0	NEW
	WBT	4	79	3.6	1.0	4.0	7.2	7.0	7.0	NEW
	WBL	4	100	3.6	1.0	4.0	8.6	9.0	9.0	NEW
2. Pleasant Hill Road/Greenvalley Drive	NBT	6	94	4.4	1.0	10.0	7.4	7.0	10.0	OLD
	NBL	1	114	4.4	1.0	4.0	8.8	9.0	9.0	NEW
	SBT	2	89	4.1	1.0	10.0	7.4	7.0	10.0	OLD
	SBL	5	103	4.1	1.0	4.0	8.3	8.0	8.0	NEW
	EBT	4	98	3.6	1.0	4.0	8.5	8.0	8.0	NEW
	EBL	4	120	3.6	1.0	4.0	10.0	10.0	10.0	NEW
	WBT	4	97	3.6	1.0	4.0	8.4	8.0	8.0	NEW
3. Pleasant Hill Road/Reliez Valley Road	NBT	6	70	4.4	1.0	10.0	5.8	6.0	10.0	OLD
	NBL	1	114	4.4	1.0	4.0	8.8	9.0	9.0	NEW
	SBT	2	81	4.1	1.0	10.0	6.8	7.0	10.0	OLD
	EBL	8	93	3.7	1.0	4.0	8.0	8.0	8.0	NEW
	NBT	6	68	4.1	0.5	10.0	6.4	6.0	10.0	OLD
	NBL	1	100	4.1	0.5	4.0	8.6	9.0	9.0	NEW
	SBT	2	68	4.1	0.5	10.0	6.4	6.0	10.0	OLD
4. Pleasant Hill Road/Springhill Road	SBL	5	97	4.1	0.5	4.0	8.4	8.0	8.0	NEW
	EBT	8	98	3.6	0.5	4.0	9.0	9.0	9.0	NEW
	EBL	8	130	3.6	0.5	4.0	11.2	11.0	11.0	NEW
	WBT	4	96	3.6	0.5	4.0	8.8	9.0	9.0	NEW
	WBL	4	121	3.6	0.5	4.0	10.5	11.0	11.0	NEW
	NBT	6	80	4.1	1.0	10.0	6.8	7.0	10.0	OLD
	NBL	1	88	4.1	1.0	4.0	7.3	7.0	7.0	NEW
5. Pleasant Hill Road/Stanley Boulevard/Deer H	SBT	2	74	4.1	1.0	10.0	6.3	6.0	10.0	OLD
	SBL	5	103	4.1	1.0	4.0	8.3	8.0	8.0	NEW
	EBT	8	81	4.1	1.0	4.0	6.8	7.0	7.0	NEW
	EBL	8	123	4.1	1.0	4.0	9.7	10.0	10.0	NEW
	WBT	4	81	3.6	1.0	4.0	7.3	7.0	7.0	NEW
	WBL	4	103	3.6	1.0	4.0	8.8	9.0	9.0	NEW

Note:  
For Permissive and Split Phases, Highest of the Minimum Green Interval calculated from all turn movements will be used.