# Appendix B

Collision Rate Calculations



Study Intersection # 1:	Skyway	& Neal-Schmale Lane
Date of Count:	Thursday, April	10, 2008
	21600 January 1, 1998 December 31, 2006	
Intersection Type: Control Type: Area:		
collision rate =		OF COLLISIONS x 1 MILLION PER YEAR x NUMBER OF YEARS
collision rate =	12 21,600 x	
collision rate =	0.17 c/mve	
statewide average collision rate* =	0.43 c/mve	
Study Intersection # 2:	Skyway	& Pearson
Study Intersection # 2: Date of Count:	Skyway Thursday, April	
Date of Count: Number of Collisions: ADT: Start Date:	Thursday, April 13 24000 January 1, 1998 December 31, 2006	
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type:	Thursday, April 13 24000 January 1, 1998 December 31, 2006 9 TEE	
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type:	Thursday, April 13 24000 January 1, 1998 December 31, 2006 9 TEE SIGNALS URBAN NUMBER C	
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type: Area:	Thursday, April 13 24000 January 1, 1998 December 31, 2006 9 TEE SIGNALS URBAN <u>NUMBER C</u> ADT x 365 DAYS	10, 2008 DF COLLISIONS x 1 MILLION
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type: Area: collision rate =	Thursday, April 13 24000 January 1, 1998 December 31, 2006 9 TEE SIGNALS URBAN NUMBER C ADT x 365 DAYS 13	10, 2008 DF COLLISIONS x 1 MILLION PER YEAR x NUMBER OF YEARS 3 x 1,000,000 365 x 9

ADT = average daily total vehicles entering intersection (adjusted for seasonal & weekday changes)

c/mve = collisions per million vehicles entering intersection \* 2002 Collision Data on California State Highways, Caltrans

Study Inters	ection # 3:	Skyway		&	Honey Run-Birch
Da	ate of Count:	Thursday,	April	10,	2008
	f Collisions: ADT: Start Date: End Date: ber of Years:	18100 January 1, 1998 December 31, 2	006		
		OFFSET STOP & YEILD SI URBAN	GNS		
C	ollision rate =				ONS x 1 MILLION X x NUMBER OF YEARS
C	ollision rate =	18,100	21 x		1,000,000 365 x 9
со	llision rate =	0.35	c/mve		
statewide average co	llision rate* =	0.22	c/mve		
Study Inters	ection # 4:	Skyway		&	Foster
-	ection # 4: ate of Count:	Skyway Thursday,	April		Foster 2008
Da Number o	ate of Count: f Collisions: ADT: Start Date:	Thursday, 16 21400 January 1, 1998 December 31, 2			
Da Number o Numb Inters	of Collisions: ADT: Start Date: End Date: Deer of Years: ection Type: ontrol Type:	Thursday, 16 21400 January 1, 1998 December 31, 2 9	006		
Da Number o Numb Inters C	of Collisions: ADT: Start Date: End Date: Deer of Years: ection Type: ontrol Type:	Thursday, 16 21400 January 1, 1998 December 31, 2 9 TEE STOP & YEILD SI URBAN NU	006 IGNS MBER OF CC	10,	
Da Number o Numb Inters C	of Collisions: ADT: Start Date: End Date: Der of Years: ection Type: ontrol Type: Area:	Thursday, 16 21400 January 1, 1998 December 31, 2 9 TEE STOP & YEILD SI URBAN <u>NU</u> ADT x 36	006 GNS <u>MBER OF CC</u> 5 DAYS PER 16	10, PLLISI YEAR X	2008 ONS x 1 MILLION X NUMBER OF YEARS
Da Number o Numb Inters C Ca	ate of Count: ADT: Start Date: End Date: Der of Years: ection Type: ontrol Type: Area: Dillision rate =	Thursday, 16 21400 January 1, 1998 December 31, 2 9 TEE STOP & YEILD SE URBAN <u>NU</u> ADT x 36 21,400	006 GNS 5 DAYS PER 16 X	10, PLLISI YEAR X	2008 ONS x 1 MILLION X NUMBER OF YEARS 1,000,000
Da Number o Numb Inters C Ca	f Collisions: ADT: Start Date: End Date: ber of Years: ection Type: ontrol Type: Area: bllision rate =	Thursday, 16 21400 January 1, 1998 December 31, 2 9 TEE STOP & YEILD SE URBAN <u>NU</u> ADT x 36 21,400	006 GNS 5 DAYS PER 16 X	10, PLLISI YEAR X	2008 ONS x 1 MILLION X NUMBER OF YEARS 1,000,000

ADT = average daily total vehicles entering intersection (adjusted for seasonal & weekday changes)

c/mve = collisions per million vehicles entering intersection

\* 2002 Collision Data on California State Highways, Caltrans

Study Intersection # 5:	Skyway		&	Fir
Date of Count:	Thursday,	April	10,	2008
	19500 January 1, 1998 December 31, 2			
	TEE STOP & YEILD SI URBAN	GNS		
collision rate =				IONS x 1 MILLION R x NUMBER OF YEARS
collision rate =	19,500			1,000,000 365 x 9
collision rate =	0.23	c/mve		
statewide average collision rate* =	0.14	c/mve		
Study Intersection # 6:	Skyway		&	Elliott
Study Intersection # 6: Date of Count:		April		Elliott 2008
Date of Count: Number of Collisions: ADT: Start Date:	Thursday, 32 24100 January 1, 1998 December 31, 2			
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type:	Thursday, 32 24100 January 1, 1998 December 31, 2 9 FOUR-LEGGED			
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type:	Thursday, 32 24100 January 1, 1998 December 31, 2 9 FOUR-LEGGED SIGNALS URBAN NU	006 MBER OF CC	10, DLLISI YEAF	2008 MONS x 1 MILLION R x NUMBER OF YEARS
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type: Area:	Thursday, 32 24100 January 1, 1998 December 31, 2 9 FOUR-LEGGED SIGNALS URBAN <u>NU</u> ADT x 36	006 MBER OF CC 5 DAYS PER 32	10, DLLISI YEAF X	2008 IONS x 1 MILLION
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type: Area: collision rate =	Thursday, 32 24100 January 1, 1998 December 31, 2 9 FOUR-LEGGED SIGNALS URBAN <u>NU</u> ADT x 36	006 MBER OF CC 5 DAYS PER 32	10, DLLISI YEAF X	2008 ONS x 1 MILLION X NUMBER OF YEARS 1,000,000
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type: Area: collision rate =	Thursday, 32 24100 January 1, 1998 December 31, 2 9 FOUR-LEGGED SIGNALS URBAN <u>NU</u> ADT × 36 24,100	006 MBER OF CC 5 DAYS PER 32 X	10, DLLISI YEAF X	2008 ONS x 1 MILLION X NUMBER OF YEARS 1,000,000
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type: Area: collision rate =	Thursday, 32 24100 January 1, 1998 December 31, 2 9 FOUR-LEGGED SIGNALS URBAN <u>NU</u> ADT × 36 24,100 0.40	006 MBER OF CC 5 DAYS PER 32 X	10, DLLISI YEAF X	2008 ONS x 1 MILLION X NUMBER OF YEARS 1,000,000

ADT = average daily total vehicles entering intersection (adjusted for seasonal & weekday changes)

c/mve = collisions per million vehicles entering intersection \* 2002 Collision Data on California State Highways, Caltrans

Study Intersection # 7:	Skyway		&	Oliver
Date of Count:	Thursday,	April	10,	2008
	21600 January 1, 1998 December 31, 20			
Intersection Type: Control Type: Area:				
collision rate =				ONS x 1 MILLION R x NUMBER OF YEARS
collision rate =	21,600	18 x	x	1,000,000 365 x 9
collision rate =	0.25	c/mve		
statewide average collision rate* =	0.28	c/mve		
Study Intersection # 8:	Skyway		&	Maxwell
Study Intersection # 8: Date of Count:	Skyway Thursday,	April		Maxwell 2008
Date of Count: Number of Collisions: ADT: Start Date:	Thursday,			
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type:	Thursday, 0 19400 January 1, 1998 December 31, 20 9 TEE			
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type:	Thursday, 0 19400 January 1, 1998 December 31, 20 9 TEE SIGNALS URBAN NUI	006 MBER OF CI	10,	
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type: Area:	Thursday, 0 19400 January 1, 1998 December 31, 20 9 TEE SIGNALS URBAN <u>NUI</u> ADT x 363	006 MBER OF CO 5 DAYS PER 0	10, OLLISI	2008 ONS x 1 MILLION
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type: Area: collision rate =	Thursday, 0 19400 January 1, 1998 December 31, 20 9 TEE SIGNALS URBAN NUI ADT x 368 19,400 0.00	006 MBER OF CO 5 DAYS PER 0 X	10, OLLISI X YEAR X	2008 ONS x 1 MILLION R x NUMBER OF YEARS

ADT = average daily total vehicles entering intersection (adjusted for seasonal & weekday changes)

c/mve = collisions per million vehicles entering intersection

\* 2002 Collision Data on California State Highways, Caltrans

Study Intersection # 9:	Skyway		&	Bille	
Date of Count:	Thursday,	April	10,	2008	
Number of Collisions: ADT: Start Date: End Date: Number of Years:	20300 January 1, 1998 December 31, 2	006			
Intersection Type: Control Type: Area:					
collision rate =				ONS x 1 MILLION X x NUMBER OF YEARS	
collision rate =	20,300	30 x	x	1,000,000 365 x 9	
collision rate =	0.45	c/mve			
statewide average collision rate* =	0.43	c/mve			
Study Intersection # 10:	Skyway		&	Wagstaff	
Study Intersection # 10: Date of Count:		April		Wagstaff 2008	
Date of Count: Number of Collisions: ADT: Start Date:	9 13500 January 1, 1998 December 31, 2			-	
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type:	Thursday, 9 13500 January 1, 1998 December 31, 2 9 FOUR-LEGGED			-	
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type:	Thursday, 9 13500 January 1, 1998 December 31, 2 9 FOUR-LEGGED 4 WAY STOP URBAN NU	006 MBER OF C	10,	-	
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type: Area:	Thursday, 9 13500 January 1, 1998 December 31, 2 9 FOUR-LEGGED 4 WAY STOP URBAN <u>NU</u> ADT x 36	006 <u>MBER OF C</u> 5 DAYS PEF 9	10, COLLISI	2008 ONS x 1 MILLION	
Date of Count: Number of Collisions: ADT: Start Date: End Date: Number of Years: Intersection Type: Control Type: Area: collision rate =	Thursday, 9 13500 January 1, 1998 December 31, 2 9 FOUR-LEGGED 4 WAY STOP URBAN <u>NU</u> ADT x 36 13,500 <b>0.20</b>	006 MBER OF C 5 DAYS PEF 9 x c/mve	10, COLLISI R YEAF X	2008 ONS x 1 MILLION X NUMBER OF YEARS	

ADT = average daily total vehicles entering intersection (adjusted for seasonal & weekday changes)

c/mve = collisions per million vehicles entering intersection \* 2002 Collision Data on California State Highways, Caltrans

Study Intersection # 11:	Skyway		&	Black Oliv	e	
Date of Count:	Wednesday,	April	9,	2008		
	29 22900 January 1, 1998 December 31, 2 9					
Control Type:	TEE STOP & YEILD SI URBAN	IGNS				
collision rate =				ONS x 1 MI R x NUMBEF	LLION R OF YEARS	
collision rate =		29	x	11-		
	22,900	x		365	x 9	
collision rate =	0.39	c/mve				
statewide average collision rate* =	0.14	c/mve				