

RED LIGHT PHOTO INTERSECTIONS

		OL	ENF	
1422	AERO & MURPHY CANYON	8-1-98	9-1-98	9.2 FT
1414	BERNARDO & RANCHO BERNARDO	8-1-98	9-1-98	9.2 FT
1404	43RD & ELCAJON	8-1-98	9-1-98	9.2 FT
1433	PALM & BEYER	8-1-98	9-1-98	9.2 FT
1444	32 ND & HARBOR		12-1-98	11.3 FT
1454	INGRAHAM & GARNET		12-1-98	10.6 FT
1462	COLLEGE & MONTEZUMA		12-1-98	11.2 FT
1474	LA JOLLA VILLAGE & TOWN CENTER		12-1-98	10.5 FT
1484	EUCLID & IMPERIAL		4-1-99	L/1 9.6 FT L/2 9.9 FT
1492	BLACK MOUNTAIN & MIRA MESA		4-1-99	L/1 10.3 FT L/2 11 FT
1504	16TH & F		4-1-99	10.5 FT
1513	GARNET & MISSION BAY		4-1-99	L/1 10.7 FT L/2 10.5 FT
1533	NO. HARBOR & GRAPE		10-15-99	L/1 8.5 FT L/2 10.25FT
1523	10TH & A		2-18-00	+8.3 FT
1543	CARMEL MOUNTAIN & RANCHO CARMEL		3-2-00	L/1 9.2 FT L/2 9.6 FT
1534	MIRAMAR & CAMINO RUIZ		3-1-00	10.6 FT
1553	MIRA MESA & SCRANTON		4-20-00	10.8 FT
1551	BLACK MOUNTAIN & GEMINI		4-20-00	10.6 FT
1542	GARNET & MISSION BLVD		5-19-00	10.6 FT
1541	GRAND & MISSION BAY		5-18-00	10.6 FT

TABLE 1

May 5, 1998

INTERSECTIONS WITH AN ACCIDENT RATE EQUAL TO OR GREATER THAN ONE STANDARD DEVIATION ABOVE THE AVERAGE ACCIDENT RATE FOR 1997

INTERSECTION	RATE	ACCID	ADT
1. Cleveland Avenue and Washington Street	1.57	18	31.4
2. Crosby Street and Logan Avenue	1.29	7	14.9
3. Cedar Street and Pacific Highway	1.10	7	17.4
4. A Street and Front Street	1.09	8	20.1
5. 06 th Avenue and A Street	1.08	9	22.8
6. Fairmount Avenue and Orange Avenue	1.05	9	23.5
7. 09 th Avenue and A Street	0.99	6	16.6
8. 11th Avenue and A Street	0.90	7	21.3
9. 07 th Avenue and A Street	0.90	6	18.3
10. 56 th Street and El Cajon Boulevard	0.89	8	24.5
11. 11th Avenue and Broadway	0.87	6	18.9
12. Ash Street and Kettner Boulevard	0.86	6	19.2
13. Kettner Boulevard and Sassafras Street	0.84	8	26.2

Notes:

Standard Deviation = 0.27

Average accident rate = 0.55

TABLE 1

February 12, 1999

**INTERSECTIONS WITH AN ACCIDENT RATE EQUAL
TO OR GREATER THAN ONE STANDARD DEVIATION¹
ABOVE THE AVERAGE ACCIDENT RATE² FOR CY 1998**

<u>INTERSECTION</u>	<u>RATE</u>	<u>ACCID.</u>	<u>ADT³</u>
1. 12 th Avenue and Broadway	1.69	6	9.70
2. First Avenue and Market Street	1.39	9	17.80
3. Kettner Boulevard and (W) Laurel Street	1.32 0.92	11	22.80 32.70
4. 47 th Street and Imperial Avenue	1.23	16	35.60
5. Balboa Avenue and Noyes Street	1.13	7	17.00
6. Fifth Avenue and Broadway	0.97	11	31.00
7. Camino del Rio S. and Texas Street	0.96	12	34.40
8. 52 nd Street and University Avenue	0.94	10	29.2
9. Ninth Avenue and A Street	0.92	6	17.8

NOTES:¹Standard Deviation = 0.28 2.5²Average Accident Rate = 0.55 54³This is the average weekday traffic entering the intersection.

**CITY OF SAN DIEGO
INTERSECTIONS WITH HIGH ACCIDENT RATES¹
IN CALENDAR YEAR 1999**

INTERSECTION	ACCIDENT RATE ²	ACCIDENTS	ENTERING TRAFFIC (VEHICLES/DAY) ³
1. 25 th Street and L Street	1.78	7	10,800
2. 07 th Avenue and F Street	1.48	9	16,700
3. 06 th Avenue and B Street	1.15	9	21,400
4. Front Street and W. Cedar Street	1.11	7	17,300
5. 10 th Avenue and E Street	1.07	6	15,400
6. 42 nd Street and University Avenue	.96	9	25,700
7. Marlborough Avenue and University Avenue	.91	10	30,100
8. 11 th Avenue and A Street	.90	7	21,300
9. 07 th Avenue and A Street	.90	6	18,300
10. 11th Avenue and Broadway	.87	6	18,900
11. El Cajon Blvd / Park Blvd / Normal Street	.86	11	35,200
12. Fairmount Avenue and Orange Avenue	.82	7	23,500

Notes:

¹ High accident rate locations for 1999 are those locations with an accident rate of one standard deviation (0.25) above the average accident rate (0.55). The accident rate was calculated for the one hundred eleven (111) intersections with six (6) or more reported accidents. Typically, only injury accidents are reported.

Intersection Selection Criteria

Intersections are evaluated using a variety of criteria. It is recommended that data for intersection evaluations be recorded during several different times of the day, and also during different days of the week (weekday vs. weekend etc.). Prior to selection for video validation, sites should be observed for a minimum of one hour during morning commute, and one hour during evening commute.

Following are preliminary evaluation criteria that are common to most high potential RLC intersections.

- High traffic volume
- High incidence of right angle collisions (from client data)
- Intersections where drivers tend to exceed the posted speed limit
- Absence of controlled intersections on approach
- Short cycle lengths
- Amber phase less than 4 seconds
- Green phase (seconds) exceeds red phase (seconds)
- Violation point (crosswalk or stopbar) is close to curb face
- Downhill approaches
- Intersections with a minimum of two through lanes

These criteria will provide an initial screening. Final determinations should be made based on a minimum of eight hours of video tape, which should include both morning and evening commute periods. Videotape will allow an accurate count of both traffic volume, and red light violations. These numbers should then be extrapolated to longer timeframes (typically a monthly estimate) to determine whether or not a given intersection meets the predetermined minimum threshold.

City of San Diego
Potential Intersection Worksheet

<i>Item #</i>	<i>Intersection Name</i>	<i>Accepted / Rejected</i>
1	NB Prospect Pl /Torrey Pines (not constructable)	Rejected
2	EB Torrey Pines/Prospect Pl (not constructable)	Rejected
3	WB Torrey Pines/Girard (didn't pass ATD)	Rejected
4	WB University/4th Ave (via volume not there)	Rejected
5	SB 4th Ave /Ash St (light traffic in am/ via volume not there)	Rejected
6	EB Grape/Pacific Hwy - (PD doesn't want to do)	Rejected
7	SB Front St./Beech- do 24hr. Taping w/ATD	Accepted
8	EB El Cajon to NB Texas- look at WB in am	B-
9	EB Mira Mesa/Black Mtn (long yellow, via volume not there)	Rejected
10	WB Mira Mesa/Black Mtn- do 24hr. Taping w/ATD	Accepted
11	EB Mira Mesa/Camino Ruiz (long yellow, via volume not there)	Rejected
12	WB Mira Mesa/Camino Ruiz -(long yellow, via volume not there)	Rejected
13	EB Mira Mesa/Pacific Heights (long yellow, via volume not there)	Rejected
14	WB Mira Mesa/Pacific Heights - (long yellow, via volume not there)	Rejected
15	SB Black Mtn /Mercy - (timing of lights clears out traffic)	Rejected
16	EB Del Mar Heights/High Bluff Dr (timing of lights clears out traffic)	Rejected
17	WB 43rd St /University Ave (timing of lights clears out traffic)	Rejected
18	WB Aero Dr to Kearny Villa Rd - (timing of lights clears out traffic)	Rejected
19	WB Friars Rd /Frazee Rd (timing of lights clears out traffic)	Rejected
20	NB Friars Rd to Frazee Rd - (timing of lights clears out traffic)	Rejected
21	EB Mission Gorge Rd to Zion Ave	Rejected
22	SB College Ave to El Cajon Blvd	Rejected
23	NB College Ave. to El Cajon Blvd. - view AM rush	Pending
24	Torrey Pines Rd. / La Jolla Village Dr. - view PM rush	Pending
25	Torrey Pines Rd /Gilman	Rejected

City of San Diego
Potential Intersection Worksheet

<i>Item #</i>	<i>Intersection Name</i>	<i>Accepted / Rejected</i>
26	Park Blvd./University Ave - construction west of inter.	B-
27	Lake Murray Rd./Navajo - look at after construction done	Pending
28	EB/WB Grand Ave./Olney - (timing clears out traffic)	Rejected
29	Garnet Ave./Olney (no signal light)	Rejected
30	Camino de la Reina/Mission Center Rd - (no traffic on yellow)	Rejected
31	Bernardo Center Dr./Bernardo Heights Pkwy.	Pending
32	El Cajon Blvd./Fairmount Ave - (PD doesn't want to do)	Rejected
33	El Cajon Blvd./33rd St. - (vio volume not there)	Rejected
34	EB Garnet Ave./Cass St - (didn't pass ATD)	Rejected
35	Garnet Ave./Fannual St. (timing clears out traffic)	Rejected
36	Mira Mesa Blvd./Vista Sorrento Pkwy. - view PM rush	Pending
37	Miramar Rd./Cabot Dr (timing clears out traffic)	Rejected
38	Otay Mesa Rd./Heritage Rd. - (long yellow phase)	Rejected
39	University Ave./Fairmount Ave (timing clears out traffic)	Rejected
40	EB/WB University Ave./6th St - (didn't pass ATD)	Rejected
41	SW Washington St./Cleveland Ave - (didn't pass ATD)	Rejected
42	EB Laurel St./Kettner Blvd. - see AM rush	B-
43	Sunset Cliffs Blvd./Newport Ave.	Pending
44	NB/SB Front St./C St. - (trolley crossing: PD no)	Rejected
45	8th Ave./C St. (timing clears out traffic)	Rejected
46	12th Ave./G St. (timing clears out traffic)	Rejected
47	Florida Dr./Bob Wilson Dr (PD doesn't want to do)	Rejected
48	N Harbor Dr./Hawthorne (PD doesn't want to do)	Rejected
49	NB First/Cedar - look @ pm rush	Pending
50	NB SB 8th Ave./B St. - (low traffic volume)	Rejected
51	EB Friars Rd. / Frazee Rd. - look @ pm rush	Pending
52	EB Friars Rd. to SB Frazee Rd. - look @ pm rush	Pending
53	Balboa Ave. / Olney	Pending