

April 12, 2010

Ryan Graham
Transportation Planning Analyst
San Bernardino Associated Governments
1170 W 3rd Street, 2nd Floor
San Bernardino, CA 92410-1715



APR 13 2010

SAN BERNARDINO
ASSOCIATED GOVTS

RE: 2010 CMP Monitoring

Dear Mr. Graham:

Enclosed for your files is a copy of our most recent Congestion Management Program (CMP) Monitoring Traffic Analysis. As you can see, this monitoring and analysis was completed last month by our traffic consultants, RBF Consulting, and it fulfills our obligation to complete traffic counts and level of service analyses on our CMP Network.

As indicated in the enclosed report, with only two exceptions, there are no segments or intersections within Yucaipa's network that would be considered as deficient (i.e. level of service E or lower), and therefore, we believe that no further action is required by the City with regard to conformity with the CMP. The two exceptions involve County Line Road, west of 5th Street, and County Line Road, west of Calimesa Boulevard.

Roadway improvements are already being designed (by the City) that will mitigate the first deficiency in the near future. However, the second improvement will require the cooperation of CALTRANS and the City of Calimesa, so we will not be in a position to manage its completion in accordance with our own priorities.

Sincerely,

CITY OF YUCAIPA

A handwritten signature in black ink that reads "John McMains".

JOHN McMAINS, Director
Community Development Department

cc: Bill Hemsley, P.E.



April 6, 2010

JN 55-100676.001

John McMains
City of Yucaipa
Director of Community Development Department
34272 Yucaipa Boulevard
Yucaipa, CA 92399

Subject: City of Yucaipa CMP Monitoring 2010 Update

Dear Mr. McMains:

RBF Consulting has completed the City of Yucaipa, Congestion Management Program (CMP) Monitoring Traffic Analysis. The results of the CMP analysis are summarized in this letter report. Attached are the following four tables:

- ❖ **Table 1: 24-Hour Traffic Count Summary** presents the date the 24-hour machine count was taken, the day of the week, and the directional and two-way volumes recorded for each of the 37 machine count locations.
- ❖ **Table 2: Signalized Intersection Summary** presents the results of the Level of Service (LOS) analysis of the four signalized CMP intersections. Each of the signalized intersections operate at LOS D or better during the a.m. and p.m. peak hours. The a.m. and p.m. peak hour turning movement volumes were adjusted to reflect passenger-car-equivalent (PCE) volumes for the heavy vehicle counts that were collected.
- ❖ **Table 3: Unsignalized Intersection Summary** shows that both unsignalized intersections operate at LOS D or better during the a.m. and p.m. peak hours. The a.m. and p.m. peak hour turning movement volumes were adjusted to reflect passenger-car-equivalent (PCE) volumes for the heavy vehicle counts that were collected.
- ❖ **Table 4: Urban Arterial Summary** presents the results of the link capacity analysis that was performed using the Highway Capacity Manual (HCM) 2000 methodology for peak hour segment operations as shown in HCM Chapter 10 – Urban Street Concepts, Exhibit 10-7. The a.m. and p.m. peak hour segment volumes were adjusted to reflect passenger-car-equivalent (PCE) volumes for the heavy vehicle counts that were collected. Each of the roadway segments operate at LOS C or better with the exception of the following segments that currently operate at LOS D during the peak hours:
 - County Line Road between California Street and 5th Street (AM peak hour)
 - County Line Road between 5th Street and Calimesa Blvd.(PM peak hour)
 - Oak Glen Road between 2nd Street and Bryant Street (AM peak hour)

Mr. McMains
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In addition to the four attached tables, we have enclosed the AM/PM level of service SYNCHRO analysis worksheets for the four signalized and two unsignalized CMP intersections, and the peak hour intersection and 24-hour segment traffic count data.

If you have any questions about the analysis in this letter, please contact me at (760) 476-9193.

Sincerely,

A handwritten signature in black ink that reads "Robert A. Davis". The signature is written in a cursive, flowing style.

Robert A. Davis
Senior Transportation Planner
Transportation Services

**Level of Service Analysis Results for Circulation Element Link Count Stations
City of Yucaipa CMP Monitoring Study (3/31/2010)**

Station Number	Street Name	Count Location	Functional Classification	Current No. Lanes	Existing Capacity	24-Hour Count	V/C	LOS
1	Yucaipa Boulevard	East of Hampton Road	Major	4 D	38,000	22,911	0.60	B
2	Yucaipa Boulevard	Between 16th & 17th Streets	Major	4 D	38,000	21,195	0.56	A
3	Yucaipa Boulevard	Between 14th & 15th Streets	Major	4 D	38,000	20,811	0.55	A
4	Yucaipa Boulevard	Between 11th & 12th Streets	Major	6 D	59,000	25,776	0.44	A
5	Yucaipa Boulevard	Between 6th & 7th Streets	Major	6 D	59,000	25,797	0.44	A
6	Yucaipa Boulevard	Between 3rd & 4th Streets	Major	4 D	38,000	21,697	0.57	A
7	Yucaipa Boulevard	West of California Street	Major	4 U	30,000	20,016	0.67	B
8	Bryant Street	South of Yucaipa City Limits	Secondary	2	16,000	5,511	0.34	A
9	Bryant Street	North of Oak Glen Road	Secondary	4	30,000	11,993	0.40	A
10	Bryant Street	South of Cornell Drive	Secondary	4	30,000	9,374	0.31	A
11	Bryant Street	South of Avenue D	Secondary	2	16,000	6,929	0.43	A
12	Bryant Street	North of County Line Road	Secondary	2	16,000	2,775	0.17	A
13	County Line Road	West of California Street	Secondary	2	16,000	9,281	0.58	A
14	County Line Road	West of 5th Street	Secondary	2	16,000	16,064	1.00	F
15W	County Line Road	West of Calimesa Boulevard	Major	2 D - WB	19,000	10,068	0.53	A
15E	County Line Road	West of Calimesa Boulevard	Major	1 D - EB	9,500	9,329	0.98	E
16	Calimesa Boulevard	Southeast of Oak Glen Road	Secondary	2	16,000	10,521	0.66	B
17	Wildwood Canyon Road	North of Calimesa Road	Secondary	2	16,000	7,282	0.46	A
18	Wildwood Canyon Road	West of 4th Street	Secondary	2	16,000	8,812	0.55	A
19	Wildwood Canyon Road	East of Bryant Street	Secondary	2	16,000	5,041	0.32	A
20	Wildwood Canyon Road	West of Oak Glen Road	Collector	2	16,000	2,513	0.16	A
21	Live Oak Canyon Road	South of Outer Hwy 10 South	Secondary	2	16,000	4,140	0.26	A
22	Oak Glen Road	South of Calimesa Boulevard	Major	5 D ⁽¹⁾	47,700	23,475	0.49	A
23	Oak Glen Road	North of Avenue E	Secondary	4	30,000	14,210	0.47	A
24	Oak Glen Road	North of Yucaipa Boulevard	Secondary	4	30,000	14,647	0.49	A
25	Oak Glen Road	West of Regional Park Entrance	Secondary	4	30,000	13,709	0.46	A
26	Oak Glen Road	West of Yucaipa City Limits	Collector	2	16,000	3,994	0.25	A
27	Avenue E	Between 14th & 15th Streets	Collector	2	16,000	2,250	0.14	A
28	Avenue E	West of 10th Street	Secondary	3 ⁽²⁾	22,500	9,479	0.42	A
29	Avenue E	Between 6th & 7th Streets	Secondary	2	16,000	7,517	0.47	A
30	Avenue E	West of California Street	Secondary	2	16,000	5,142	0.32	A
31	Sand Canyon Road	South of Yucaipa City Limits	Major	4 D	38,000	7,839	0.21	A
32	Sand Canyon Road	North of Yucaipa Boulevard	Major	4 D	38,000	9,188	0.24	A
33	14th Street	Between Avenues D&E	Secondary	2	16,000	5,093	0.32	A
34	14th Street	Between Avenue E & Calimesa Blvd.	Secondary	2	16,000	4,761	0.30	A
35	5th Street	North of Avenue E	Secondary	2	16,000	8,445	0.53	A
36	5th Street	North of Wildwood Canyon Road	Secondary	2	16,000	7,534	0.47	A
37	Colorado Street	West of 8th Street	Collector	2	16,000	1,049	0.07	A

Notes:

⁽¹⁾ This segment has 3 WB lanes and 2 EB lanes. Segment capacity was adjusted to reflect the imbalanced lane configuration.

⁽²⁾ This segment has 2 WB lanes and 1 EB lane. Segment capacity was adjusted to reflect the imbalanced lane configuration.

Table 1
24-Hour Traffic Count Summary
City of Yucaipa 2010 CMP Monitoring Study

Station Number	Street Name	Count Location	24-Hour Count Data				
			Date of Count	Day of Week	Northbound/ Eastbound	Southbound/ Westbound	Two-Way Volume
1	Yucaipa Boulevard	East of Hampton Road	2/25/2010	Thursday	11,464	11,447	22,911
2	Yucaipa Boulevard	Between 16 th & 17 th Streets	2/25/2010	Thursday	10,580	10,615	21,195
3	Yucaipa Boulevard	Between 14 th & 15 th Streets	2/25/2010	Thursday	10,078	10,733	20,811
4	Yucaipa Boulevard	Between 11 th & 12 th Streets	2/24/2010	Wednesday	12,882	12,894	25,776
5	Yucaipa Boulevard	Between 6 th & 7 th Streets	2/25/2010	Thursday	13,233	12,564	25,797
6	Yucaipa Boulevard	Between 3 rd & 4 th Streets	2/25/2010	Thursday	11,186	10,511	21,697
7	Yucaipa Boulevard	West of California Street	2/25/2010	Thursday	10,203	9,813	20,016
8	Bryant Street	South of Yucaipa City Limits	2/23/2010	Tuesday	2,546	2,965	5,511
9	Bryant Street	North of Oak Glen Road	2/25/2010	Thursday	5,928	6,065	11,993
10	Bryant Street	South of Cornell Drive	2/23/2010	Tuesday	4,534	4,840	9,374
11	Bryant Street	South of Avenue D	2/18/2010	Thursday	3,086	3,843	6,929
12	Bryant Street	North of County Line Road	2/18/2010	Thursday	1,346	1,429	2,775
13	County Line Road	West of California Street	2/18/2010	Thursday	4,634	4,647	9,281
14	County Line Road	West of 5 th Street	2/23/2010	Tuesday	7,408	8,656	16,064
15	County Line Road	West of Calimesa Boulevard	2/24/2010	Wednesday	9,329	10,068	19,397
16	Calimesa Boulevard	Southeast of Oak Glen Road	2/23/2010	Tuesday	5,372	5,149	10,521
17	Wildwood Canyon Road	North of Calimesa Road	2/23/2010	Tuesday	3,569	3,713	7,282
18	Wildwood Canyon Road	West of 4 th Street	2/23/2010	Tuesday	4,059	4,753	8,812
19	Wildwood Canyon Road	East of Bryant Street	2/18/2010	Thursday	2,572	2,469	5,041
20	Wildwood Canyon Road	West of Oak Glen Road	2/18/2010	Thursday	1,256	1,257	2,513
21	Live Oak Canyon Road	South of Outer Hwy 10 South	2/23/2010	Tuesday	2,078	2,062	4,140
22	Oak Glen Road	South of Calimesa Boulevard	2/25/2010	Thursday	10,797	12,678	23,475
23	Oak Glen Road	North of Avenue E	2/23/2010	Tuesday	7,431	6,779	14,210
24	Oak Glen Road	North of Yucaipa Boulevard	2/23/2010	Tuesday	7,419	7,228	14,647
25	Oak Glen Road	West of Regional Park Entrance	2/23/2010	Tuesday	6,911	6,798	13,709
26	Oak Glen Road	West of Yucaipa City Limits	2/18/2010	Thursday	2,092	1,902	3,994
27	Avenue E	Between 14 th & 15 th Streets	2/18/2010	Thursday	1,100	1,150	2,250
28	Avenue E	West of 10 th Street	2/18/2010	Thursday	4,691	4,788	9,479
29	Avenue E	Between 6 th & 7 th Streets	2/23/2010	Tuesday	3,582	3,935	7,517
30	Avenue E	West of California Street	2/18/2010	Thursday	2,765	2,377	5,142
31	Sand Canyon Road	South of Yucaipa City Limits	2/25/2010	Thursday	3,994	3,845	7,839
32	Sand Canyon Road	North of Yucaipa Boulevard	2/25/2010	Thursday	4,443	4,745	9,188
33	14 th Street	Between Avenues D&E	2/18/2010	Thursday	2,570	2,523	5,093
34	14 th Street	Between Avenue E & Calimesa Blvd.	2/18/2010	Thursday	2,350	2,411	4,761
35	5 th Street	North of Avenue E	2/18/2010	Thursday	4,419	4,026	8,445
36	5 th Street	North of Wildwood Canyon Road	2/18/2010	Thursday	3,842	3,692	7,534
37	Colorado Street	West of 8 th Street	2/23/2010	Tuesday	518	531	1,049

Table 2
Signalized Intersection Summary
City of Yucaipa 2010 CMP Monitoring Study

Intersection	Date of Count	Existing Conditions			
		AM Delay (v/c)	LOS	PM Delay (v/c)	LOS
Yucaipa Blvd. / 14 th St -Sand Canyon Rd.	2/16/2010	33.9 (0.62)	C	33.6 (0.67)	C
Yucaipa Blvd. / Oak Glen Rd.	2/16/2010	34.1 (0.51)	C	41.0 (0.69)	D
Bryant St. / Oak Glen Rd.	2/16/2010	36.3 (0.72)	D	24.9 (0.57)	C
Yucaipa Blvd. / Bryant St.	2/17/2010	18.7 (0.58)	B	16.4 (0.51)	B

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Table 3
Unsignalized Intersection Summary
City of Yucaipa 2010 CMP Monitoring Study

Intersection	Date of Count	Existing Conditions			
		AM Delay	LOS	PM Delay	LOS
Bryant St. / Wildwood Canyon Rd.	2/16/2010	32.0	D	16.4	C
Bryant St. / County Line Rd.	2/16/2010	15.7	C	12.4	B

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Table 4
Urban Arterial Summary
City of Yucaipa 2010 CMP Monitoring Study

Street Name	Location	Date of Count	Existing Conditions			
			AM Peak*	LOS	PM Peak*	LOS
Yucaipa Blvd.	Between Avenue E and 16 th Street	2/25/2010	858	A	1,168	B
Yucaipa Blvd.	Between 17 th & 14 th Streets	2/25/2010	853	A	1,092	B
Yucaipa Blvd.	Between 14 th & 12 th Streets	2/25/2010	1,253	C	1,326	C
Yucaipa Blvd.	Between 12 th St. & Oak Glen Road	2/24/2010	1,542	A	1,477	A
Yucaipa Blvd.	Between Oak Glen Road & 6 th St.	2/25/2010	1,242	A	1,355	A
Yucaipa Blvd.	Between 6 th & 3 rd Streets	2/25/2010	908	A	1,048	A
Yucaipa Blvd.	Between 3 rd & California Streets	2/25/2010	882	C	1,004	C
Yucaipa Blvd.	Between California & Bryant Streets	2/23/2010	548	A	556	A
Bryant Street	Between Mill Creek Road & Oak Glen Road	2/25/2010	573	B	575	B
Bryant Street	Between Oak Glen Road & Yucaipa Blvd.	2/23/2010	411	A	407	A
Bryant Street	Between Yucaipa Blvd. & Avenue E	2/18/2010	303	A	382	A
Bryant Street	Between Avenue E & Wildwood Canyon Road	2/18/2010	272	A	326	A
Bryant Street	Between Wildwood Canyon Road & County Line Road	2/18/2010	153	A	130	A
County Line Road	Between Bryant Street & 2 nd Street	2/18/2010	466	A	435	A
County Line Road	Between California & 5 th Streets	2/24/2010	703	D	597	C
County Line Road	Between 5 th Street & Calimesa Blvd.	2/23/2010	1,034	A	734	D
Wildwood Canyon Road	Between Calimesa Blvd. & 5 th Street	2/23/2010	555	B	446	A
Wildwood Canyon Road	Between 5 th & Bryant Streets	2/23/2010	592	C	462	A
Wildwood Canyon Road	Between Bryant Street & State Route 79	2/18/2010	276	A	331	A
Oak Glen Road	Between Outer Hwy. 10 South and Calimesa Blvd.	2/25/2010	1,585	A	1,291	C
Oak Glen Road	Between Interstate 10 & Avenue E	2/23/2010	983	A	925	A
Oak Glen Road	Between Avenue E & Yucaipa Blvd.	2/23/2010	699	A	803	A
Oak Glen Road	Between Yucaipa Blvd. & 2 nd Street	2/23/2010	1,069	A	852	A
Oak Glen Road	Between 2 nd & Bryant Streets	2/23/2010	699	D	607	C
Oak Glen Road	Between Bryant Street & City limits	2/18/2010	214	A	203	A
Sand Canyon Rd.	Between Yucaipa Blvd. & City limits	2/25/2010	599	A	425	A
14 th Street	Between Yucaipa Blvd. & Avenue E	2/18/2010	273	A	243	A
14 th Street	Between Avenue E and Calimesa Blvd.	2/18/2010	244	A	230	A

* Denotes the peak hour volume in the peak direction. Raw count data was adjusted to reflect passenger-car-equivalent (PCE) volumes for heavy vehicle counts that were collected.