



CITY OF SACRAMENTO

19-1

TRAFFIC ENGINEERING DIVISION

1023 J STREET — SUITE 202

SACRAMENTO, CALIF. 95814

CITY MANAGER'S OFFICE
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November 22, 1982

City Council
Sacramento, California

Honorable Members in Session:

SUBJECT: Request for 4-Way Stop Controls at Claire Avenue & Dry
Creek Road

SUMMARY

The residents have petitioned the city for a 4-way stop installation, and the city staff investigation has found that the criteria is not met.

BACKGROUND

As the result of a fatal accident involving a youngster at the location of Claire Avenue & Dry Creek Road, the residents in the area have signed petitions requesting that the city install 4-way stop controls. The staff investigated the traffic conditions as well as meeting with the citizen responsible for initiating the petition.

The results of the investigation indicated that visibility could be improved on one quadrant of the intersection, and corrective action is being taken. Also, analysis of the accidents indicate a problem with vehicles passing so a "no passing" zone will be striped as soon as weather conditions permit.

With regard to the request for a 4-way stop, the intersection does not meet the minimum criteria. Shown below is a tabulation of locations where 4-way stops have been installed in the past couple of years to show the comparison.

APPROVED
BY THE CITY COUNCIL

NOV 30 1982

OFFICE OF THE
CITY CLERK

4-Way Stop Installations (8 Hour Average)

Intersection	Peak Hour - Major Street	Peak Hour - Minor Street	Minor Street %
	500 VPH Required	200 VPH Required	≈ 40%
1. Dry Creek at Claire	332 VPH	27 VPH	9%
2. Brookfield-Nixos at Mack-Meadowview	1,434 VPH	524 VPH	36%
3. Gloria at Havenside	475 VPH	165 VPH	35%
4. W Street at 26th Street	794 VPH	202 VPH	25%
5. X Street at 26th Street	940 VPH	318 VPH	34%
6. W Street at 24th Street	704 VPH	154 VPH	22%
7. Bell at Marysville	619 VPH	217 VPH	35%
8. Bamford-Bruceville at Valley Hi	844 VPH	215 VPH	25%
9. 2nd Avenue at 24th Street	642 VPH	195 VPH	30%
10. 10th & F Streets	512 VPH	223 VPH	44%

The intersection must have eight hours where the volumes meet or exceed the major street and minor street criteria. The minor street should also be 40% of the major street for that eight hours.

We found the volume of traffic at Claire & Dry Creek Road to be about 4,200 vehicles in 24 hours. There were 3,900 vehicles on Dry Creek and 300 on Claire.

The accident experience has been very low. For the past five years, the reported accidents were: one in 1982, none in 1981, one in 1979 and two in 1978.

FINANCIAL DATA

The visibility improvement and striping will be done using existing operational budget funding.

RECOMMENDATION

It is recommended that the City Council concur with the staff recommendation denying the installation of a 4-way stop control at Claire Avenue & Dry Creek Road.

Recommendation Approved:

Walter J. Sligo
Walter J. Sligo, City Manager

LMF:RJF/mf

Respectfully submitted,

L. M. Frink
L. M. Frink
Traffic Engineer

November 30, 1982
District 2