



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## COUNCIL COMMUNICATION

TO: City Council

FROM: City Manager

MEETING DATE: January 6, 1988

AGENDA TITLE: Traffic Studies - Discussion and Appropriate Action  
d) Tokay Street and Crescent Avenue, Intersection Control

RECOMMENDED ACTION: That the City Council approve the installation of four-way stop signs at Tokay Street and Crescent Avenue.

BACKGROUND INFORMATION: Due to the number of accidents at this intersection and citizen complaints, Public Works staff performed an intersection study at the above location. Currently, Crescent Avenue stops for Tokay Street. Crescent Avenue and Tokay Street have total daily volumes of 2060 and 4470 vehicles, respectively. This volume split is usually not appropriate for four-way stop signs.

However, based on the high number of accidents, staff recommends installing four-way stop signs. In the recent 12-month period, there have been a total of 8 accidents and 7 of those accidents are correctable by four-way stop signs. (See attached warrants.)

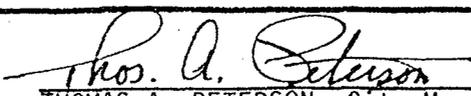
  
 Jack L. Ronsko  
 Public Works Director

JLR/PJF/ma

Attachments

cc: Street Superintendent  
 Police Chief  
 David Joerke

APPROVED:

  
 THOMAS A. PETERSON, City Manager

FILE NO.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## MULTIWAY STOP SIGN WARRANTS

INTERSECTION OF Tokay St and Crescent Ave  
DATE 12-15-87 BY IF

Any of the following conditions may warrant a multi-way STOP sign installation.

- Where traffic signals are warranted and the need is urgent, the four-way stop is an interim measure that can be installed quickly to control traffic while arrangements are being made for the signal installation.

Satisfied \_\_\_\_\_ Not Satisfied

- An accident problem, as indicated by five or more reported accidents of a type susceptible of correction by a multi-way stop installation in a 12-month period. Types of accidents susceptible of correction include right angle and left turn collisions.

Time period mid Dec 1986 - mid Dec 1987 Number of correctible accidents 7  
Total number of accidents 8 Satisfied  Not Satisfied \_\_\_\_\_

- Minimum volume warrant:

- The total vehicular volume entering the intersection from all approaches must average at least 500 vehicles per hour for any eight hours of an average day, and

Hour	8	9	10	11	12	1	2	3	4	5	6
Major Street	315	282	329	290	342	396	362	423			
Minor Street	136	186	184	145	149	167	180	180			

Highest 8 hours 7:00 a.m. to 6:00 p.m.  
Total volume 4068 vehicles  
Average per hour 509 vehicles

- The combined vehicular and pedestrian volume from the minor street or highway must average at least 200 units per hour for the same eight hours with an average delay to minor street vehicular traffic of at least 30 seconds per vehicle during the maximum hour.

Hour	8	9	10	11	12	1	2	3	4	5	6
Minor Street Vehicles	138	186	184	145	149	107	180	180			
Pedestrians											

Highest 8 hours 7:00 a.m. to 6:00 p.m.  
Average per hour 166 vehicles  
Average per hour 10 pedestrians (EST)  
Average units per hour 176  
Satisfied \_\_\_\_\_ Not Satisfied

*not a suggested route to school*

- When the 85-percentile approach speed of the major street traffic exceeds 40 miles per hour, the minimum vehicular volume warrant is 70 percent of the above requirements.

wb = 33 mph  
eb = 34 mph

85-percentile speed 34 MPH  
Satisfied \_\_\_\_\_ Not Satisfied

A four-way STOP sign installation is a useful traffic control measure when other available means of control are not adequate. It should not be used unless the volume of traffic on the intersecting roads is about equal and is undesirable at low volume intersections.

% Traffic major street 68 %  
% Traffic minor street 32 %



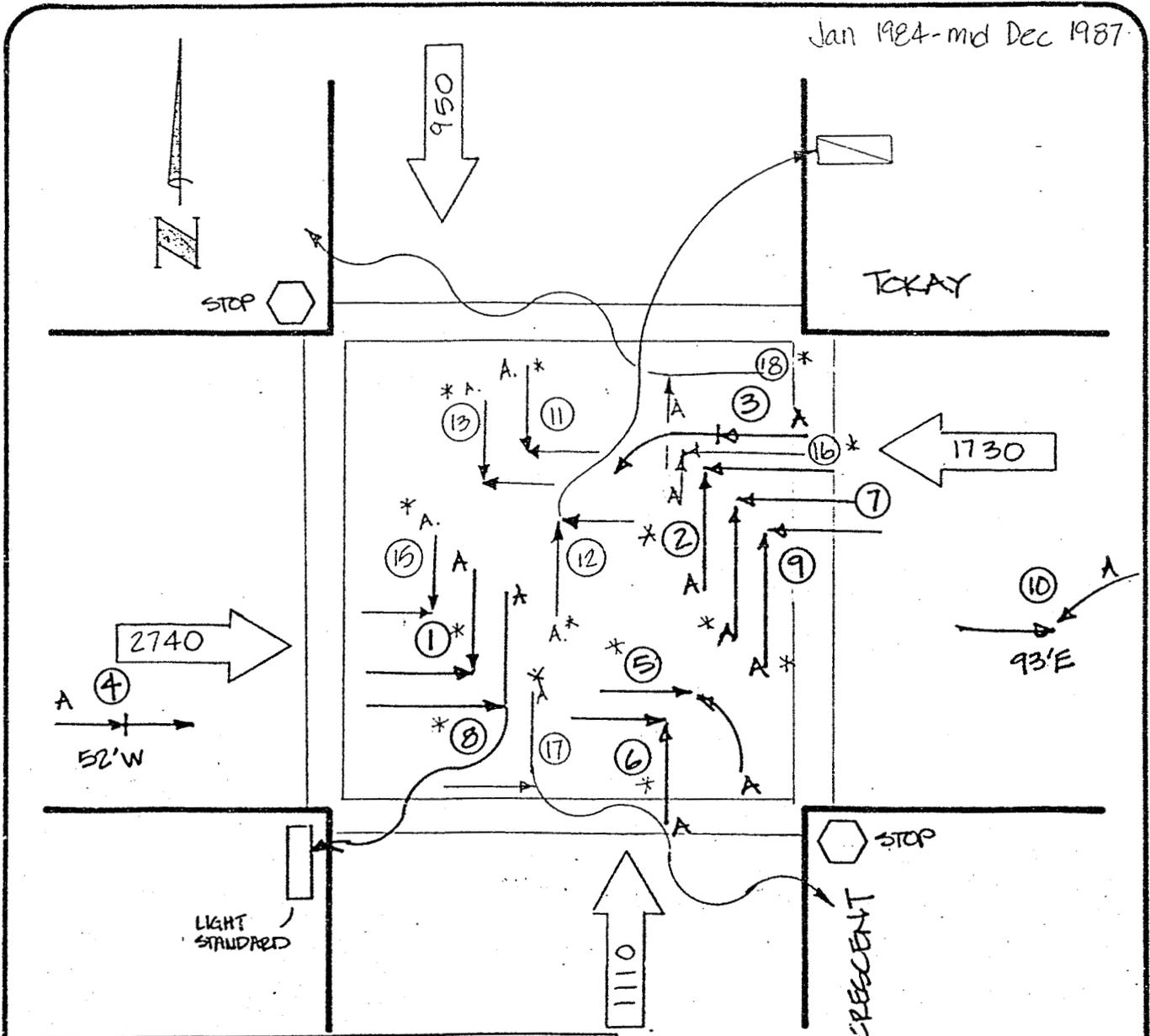
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## Collision Diagram

Intersection of  
CRESCENT and TOKAY

Jan 1984 - mid Dec 1987



No.	DATE	TIME	DAMAGE	INJURED	APPARENT CAUSE (A)
* 1	1-24-84	1212	MOD-MIN	0	FAILED TO YIELD
* 2	10-10-84	1243	MAJ-MOD	0	FAILED TO YIELD
* 3	1-10-84	1428	MOD-MOD	0	REARVIEW TOO CLOSE
* 4	1-7-86	1546	MIN-MIN	0	UNKNOWN - MISC. REPORT
* 5	7-1-85	1422	MOD-MAJ	0	FAILED TO YIELD
* 6	11-7-85	1505	MIN-MOD	0	FAILED TO YIELD
* 7	1-11-86	1510	MIN-MIN	0	FAILED TO STOP
* 8	3-12-86	1020	MOD-MAJ	0	FAILED TO YIELD
* 9	11-6-86	0844	MOD-MIN	0	FAILED TO YIELD
* 10	11-15-86	1154	MOD-MIN	0	DRIVER ON WRONG SIDE OF ROAD
* 11	2-20-87	1257	MOD-MOD	1	FAILED TO STOP
* 12	5-11-87	1252	MAJ-MAJ	2	FAILED TO STOP
* 13	5-11-87	022	MOD-MOD	3	FAILED TO YIELD
* 14	2-20-87	1456	MIN	0	UNKNOWN - MISC. REPORT
* 15	6-11-87	1410	MOD-MOD	0	FAILED TO YIELD/STOP
* 16	11-16-87	1220	MIN-MOD	0	FAILED TO YIELD
* 17	11-16-87	1227	MAJ-MAJ	5	FAILED TO YIELD
* 18	11-22-87	151	MIN-MOD	0	FAILED TO YIELD

(14) - UNKNOWN - MISC. REPORT

1730 > - VEHICLES PER DAY

### LEGEND

- PATH OF MOVING VEHICLE
- REAR END COLLISION
- FIXED OBJECT
- PARKED VEHICLE
- SIDESWIPE

12/87

RESOLUTION NO. 88-10

RESOLUTION APPROVING THE INSTALLATION OF FOUR-WAY STOP SIGNS  
AT TOKAY STREET AND CRESCENT AVENUE, LODI

RESOLVED, that the City Council of the City of Lodi does hereby approve the installation of four-way stop signs at Tokay Street and Crescent Avenue, Lodi.

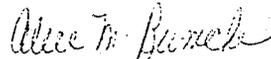
Dated: January 6, 1988

i hereby certify that Resolution No. 88-10 was passed and adopted by the City Council of the City of Lodi in a regular meeting held January 6, 1988 by the following vote:

Ayes: Council Members - Hinchman, Pinkerton, Reid, Snider & Olson (Mayor)

Noes: Council Members - None

Absent: Council Members - None

  
Alice M. Reimche  
City Clerk

CITY COUNCIL

EVELYN M OLSON, Mayor  
JOHN R (Randy) SNIDER  
Mayor Pro Tempore  
DAVID M HINCHMAN  
JAMES W PINKERTON Jr  
FRED M REID

# CITY OF LODI

CITY HALL, 221 WEST PINE STREET  
CALL BOX 3006  
LODI, CALIFORNIA 95241-1910  
(209) 334-5634  
TELECOPIER (209) 333 6795

THOMAS A. PETERSON  
City Manager

ALICE M REIMCHE  
City Clerk

RONALD M STEIN  
City Attorney

January 12, 1988

Ms. Karen Samski  
3271 Jackson Street  
San Francisco, CA

Dear Ms. Samski:

On behalf of the Lodi City Council, may I express our appreciation for your patience and endurance in sitting through a very long Council meeting until the matter in which you had an interest could be heard.

We thank you for bringing your concerns to our attention.

We have enclosed a City of Lodi pin for you to wear. It is being sent to you with best wishes from our "grape" community.

Lodi City Council

by

Alice M. Reimche  
City Clerk

AMR: jj  
Enc.

CITY COUNCIL

EVELYN M. OLSON, Mayor  
JOHN R. (Randy) SNIDER  
Mayor Pro Tempore  
DAVID M. HINCHMAN  
JAMES W. PINKERTON, Jr.  
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ALICE M. RLIMCHE  
City Clerk  
RONALD M. STEIN  
City Attorney

January 12, 1988

Mr. David Joerke  
835 West Harney Lane  
Lodi, CA 95240

Dear Mr. Joerke:

On behalf of the Lodi City Council may I express our appreciation for your patience and endurance in sitting through a very long Council meeting until the matter in which you had an interest could be heard.

We thank you for bringing your concerns to our attention.

We have enclosed a City of Lodi pin for you to wear. It is being sent to you with best wishes from our "grape" community.

Lodi City Council

by

Alice M. Reimche  
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