

CITY COUNCIL MEETING
AUGUST 21, 1985

ACCIDENT REPORT
RE INTERSECTION
OF STOCKTON AND PINE

Pursuant to a request from Council Member Pinkerton, a report was presented by Staff regarding accidents that have occurred at Stockton Street and Pine Street following the establishing of four way stops at that intersection six months ago. Council was apprised that three accidents have occurred in the five-month period after installation of four way-stop signs. Additional information regarding the intersection was presented by Staff, who then responded to questions as were posed by Council. Staff indicated that it was felt that in using a five-month reporting period, it is too early to make a definite statement about overall accident reduction and recommended that an additional survey be made after a full 12 months.

Following additional discussion, on motion of Council Member Snider, Olson second, Staff was directed to bring back to Council at an appropriate time, a similar report covering a twelve-month period.

CC-24
45-a



CITY OF LODI

PUBLIC WORKS DEPARTMENT

COUNCIL COMMUNICATION

TO: City Council
FROM: City Manager
DATE: August 14, 1985
SUBJECT: Four-Way Stops at Stockton Street/Pine Street

RECOMMENDED ACTION: None

BACKGROUND INFORMATION: The City Council approved installation of four-way stop signs at the Stockton Street and Pine Street intersection on February 20, 1985. The additional signs on Pine Street were installed on February 26, 1985. The Council requested a follow-up accident study in order to compare the results of the four-way stop control with the previous two-way stop control at this location. Exhibit 1 is an accident diagram showing three accidents occurring in the 5-month period after installation of four-way stop signs.

Accident No. 1 - This was a rear-end accident on Stockton Street and is not related to the installation of stop signs on Pine Street.

Accident No. 2 - This was a right-angle accident which occurred approximately two months after the conversion to a 4-way stop. This is the type of accident that the 4-way stop should have eliminated.

Accident No. 3 - This was a right-angle accident which occurred only 8 days after the conversion to a 4-way stop. It appears that this accident occurred due to the newness of the installation. As staff indicated to the Council, immediately upon the installation of new stop signs, no matter what kind of advance warning is provided, some vehicles will fail to yield or run a new stop sign.

Exhibit 2 presents the accident diagram for a four-year, four-month period with the previous 2-way stop control. As shown, twenty-one (21) accidents occurred with the majority being right-angle accidents due to failure to yield on Stockton Street.

The four-way stop was recommended based upon the five right-angle accidents which occurred between February 1984 and February 1985. This rate was five accidents per year, or 0.4 accidents per month. Referring to Exhibit 1, if

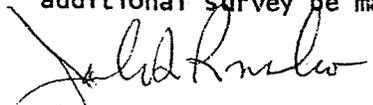
APPROVED:


THOMAS A. PETERSON, City Manager

FILE NO.

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Accident No. 3 is not included, the monthly rate is 0.2. It is felt that in using a five-month period, it is too early to make a definite statement about overall accident reduction. It is, therefore, recommended that an additional survey be made after a full 12 months.



Jack L. Ronsko
Public Works Director

Attachments

JLR/PF/eeh



CITY OF LODI

PUBLIC WORKS DEPARTMENT

ACCIDENT DIAGRAM
INTERSECTION OF
STOCKTON & PINE
3-1-85 TO 8-2-85

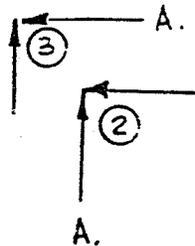
5 MONTH PERIOD



STOCKTON ST.



PINE ST.



NOTE: FOUR WAY STOP SIGNS
INSTALLED ON FEB. 26, 1985.

| NO. | DATE | TIME | DAMAGE | INJURED | APPARENT CAUSE |
|-----|--------|------|---------|---------|-----------------|
| 1 | 8-2-85 | 1538 | MIN-MOD | 0 | A. FAIL TO STOP |
| 2 | 5-4-85 | 1344 | MOD-MOD | 0 | A. FAIL TO STOP |
| * 3 | 3-6-85 | 2013 | MOD-MOD | 0 | A. FAIL TO STOP |

* ACCIDENT OCCURED 8 DAYS AFTER INSTALLATION OF STOP SIGNS ON PINE ST

| | | | | |
|---------|----|------|----------|-------------|
| Drawn | No | Date | Approved | Approved By |
| Checked | | | | |
| Date | | | | |

Public Works Director
RCE

Date

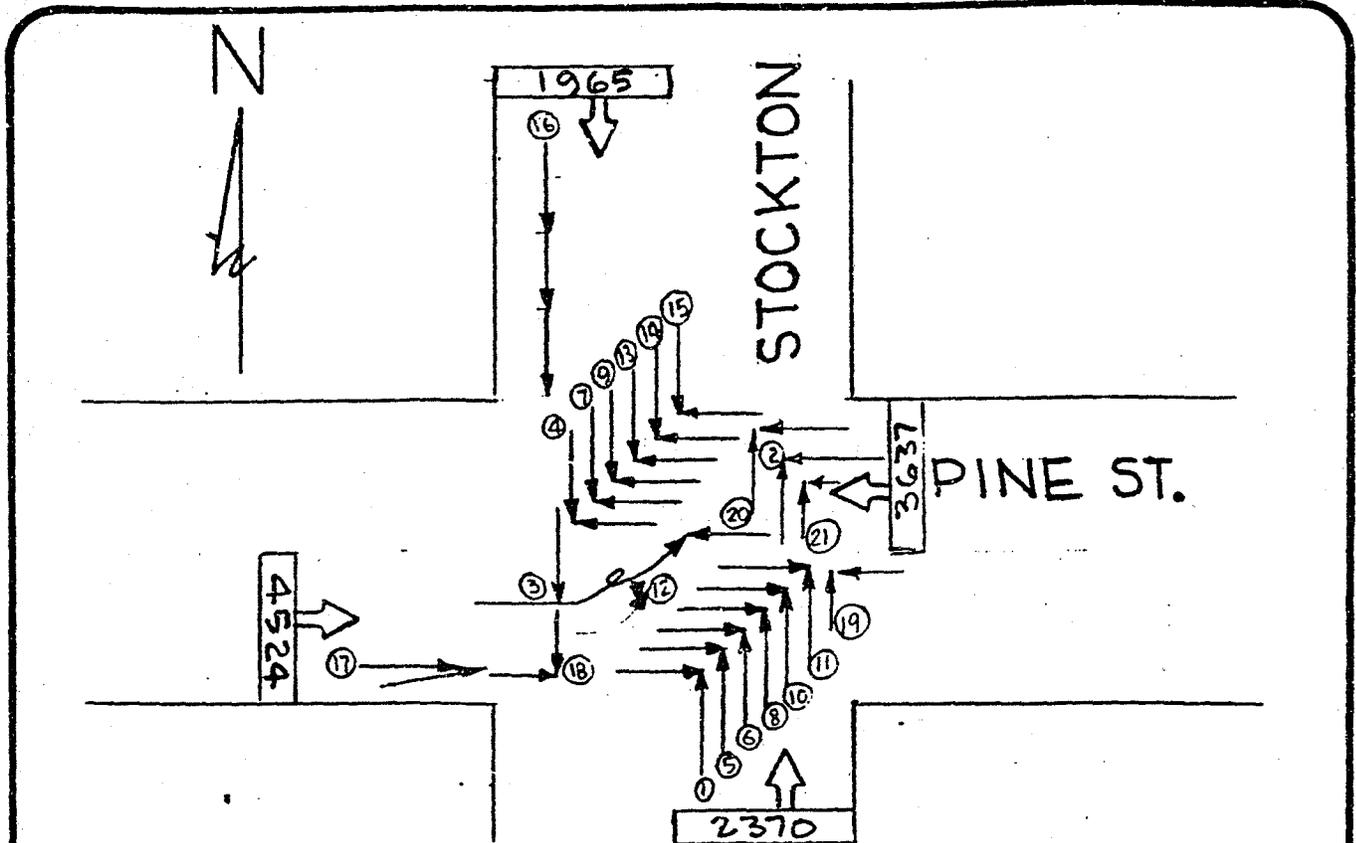
EXHIBIT 1



CITY OF LODI

PUBLIC WORKS DEPARTMENT

ACCIDENT DIAGRAM INTERSECTION OF STOCKTON & PINE 10-1-80 to 2-15-85



| NO. | DATE | TIME | DAMAGE | INJURED | APPARENT CAUSE |
|-----|----------|------|-------------|---------|----------------|
| 1 | 10-14-80 | 1713 | MAJ-MOD | 0 | FAIL TO YIELD |
| 2 | 2-13-81 | 1353 | MAJ-MOD | 0 | " " " |
| 3 | 5-8-81 | 2202 | MOD-MIN-MIN | 0 | " " " |
| 4 | 7-10-81 | 1359 | MAJ-MAJ | 0 | FAIL TO STOP |
| 5 | 7-18-81 | 1510 | NONE-MIN | 1 | FAIL TO YIELD |
| 6 | 12-8-81 | 1340 | MIN-MOD | 0 | " " " |
| 7 | 12-10-81 | 1235 | MCS-MOD | 0 | " " " |
| 8 | 2-22-82 | 1809 | MCS-MIN | 0 | " " " |
| 9 | 5-12-82 | 0843 | MOD-MOD | 0 | " " " |
| 10 | 11-9-82 | 1419 | MAJ-MAJ | 2 | FAIL TO STOP |
| 11 | 4-13-83 | 1402 | MIN-MOD | 1 | FAIL TO YIELD |
| 12 | 8-1-83 | 1344 | MIN-MCS | 0 | " " " |
| 13 | 2-8-84 | 2143 | MIN-MIN | 1 | " " " |
| 14 | 4-10-84 | 1623 | MOD-MOD | 0 | " " " |
| 15 | 5-16-84 | 1926 | MAJ-MOD | 3 | FAIL TO STOP |
| 16 | 7-26-84 | 2135 | MAJ-MOD-MOD | 1 | H.B.D. |
| 17 | 1-12-85 | 1641 | MIN-MOD | 0 | INATTENTION |
| 18 | 2-7-85 | 1732 | MIN-MIN | 0 | FAIL TO YIELD |
| 19 | 9-7-83 | 1109 | MOD-MIN | 0 | INATTENTION |
| 20 | 11-10-83 | 1533 | TOT-MOD | 1 | FAIL TO YIELD |
| 21 | 11-14-83 | 1118 | MIN-MOD | 0 | FAIL TO YIELD |

| | | | | |
|----------------------|----|------|------------------------------|-------------|
| Drawn MED | No | Date | Approved | Approved By |
| Checked | | | | |
| Date JAN. '85 | | | | |
| | | | Public Works Director RCE | Date |

EXHIBIT 2