



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Traffic Resolution Amendment - Intersection Control, Lockeford Street and Stockton Street

MEETING DATE: September 3, 1997

PREPARED BY: Public Works Director

RECOMMENDED ACTION: That the City Council adopt the attached resolution amending Section 2 (c) of Traffic Resolution #87-163 by approving four-way stop control at Lockeford Street and Stockton Street (Exhibit A).

BACKGROUND INFORMATION: The intersection of Lockeford Street and Stockton Street was recently studied based on the high number of accidents. This intersection has the highest number of accidents in the City's Intersection Study List for two-way stop-controlled intersections.

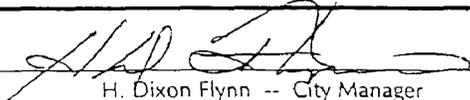
Currently, Stockton Street traffic stops for Lockeford Street. Union Pacific Railroad (Kentucky House Branch) line runs (east and west) across the south leg of this intersection. This railroad line has not been used for several years. Lockeford Street has a 30-mile-per-hour (mph) speed limit through the intersection and increases to 35 mph just east of the intersection. The speed limit on Stockton Street south of Lockeford Street is 30 mph, and 35 mph north of Lockeford Street. Traffic volumes on Lockeford Street and Stockton Street are 10,700 and 3,500 vehicles per day, respectively. Available accident reports indicate there have been 44 accidents occurring at this intersection within the past four-plus years, from 1993 to present. Several of these accidents are right-angle accidents and are considered correctable with four-way stop signs.

DISCUSSION/RECOMMENDATIONS: The intersection of Lockeford Street and Stockton Street has been on the City's Traffic Signal Priority Study List for several years. Since there were plans to abandon the Kentucky House Branch line and widen Lockeford Street, a traffic signal was not installed pending these improvements. However, the City is working with San Joaquin County Council of Governments on a Measure K Rail Improvement Project to activate and improve the Kentucky House Branch railroad line. Included with this project is funding for a traffic signal; construction is anticipated to begin in a few years.

As an interim measure, staff recommends a four-way stop sign installation. One of the Caltrans guidelines for four-way stop sign installation is that a traffic signal is warranted and urgently needed. As stated in Caltrans' *Traffic Manual*, the four-way stop control may be an interim measure that can be installed quickly to control traffic while arrangements are being made for the signal installation.

Four-way stop intersections operate best when there is about equal traffic volumes on both streets. Staff is concerned that Lockeford Street carries three times as much traffic as Stockton Street and normally such a wide variation in volumes is not appropriate for a four-way stop. However, this intersection would operate similar to Ham Lane and Century Boulevard. Ham Lane carries about three

APPROVED: _____


H. Dixon Flynn -- City Manager

times as much traffic as Century Boulevard. Other similar intersections are Hutchins Street and Pine Street (65/35% split) and Lockeford Street and California Street (68/32% split). Even though the traffic volume split is not ideal, given the high number of accidents and plans for a traffic signal, the four-way stop control would be a desirable interim measure.

Another reason for recommending a four-way stop control at this intersection is that the City's transit system has indicated it wants its GrapeLine bus to cross Lockeford Street at this intersection. The transit system has recently expanded its services to include the residential area north of Lockeford Street. Given the accident history, the bus has been routed around this intersection. If four-way stop signs are installed, the GrapeLine bus will travel through this intersection to access the areas north of Lockeford Street.

Based on the above factors, staff recommends City Council approve the installation of four-way stop signs.

FUNDING: Funding to install two stop signs and painted legends from the Street Maintenance Operating Budget at an approximate cost of \$300.



Jack L. Ronsko
Public Works Director

Prepared by Paula J. Fernandez, Associate Traffic Engineer

JLR/PJF/lm

Attachments

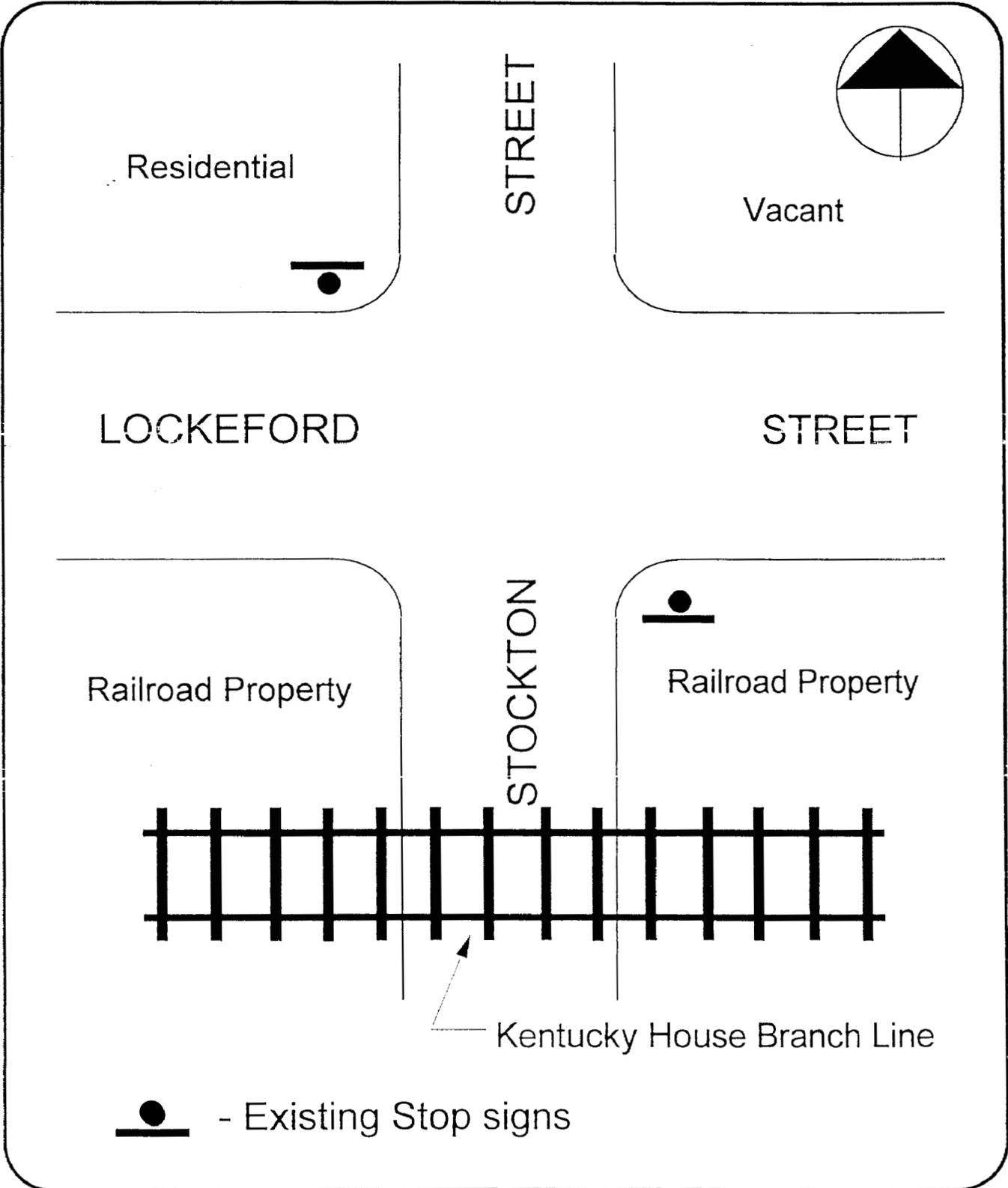
cc: City Attorney
Police Chief
Street Superintendent
Transportation Manager
Associate Traffic Engineer



CITY OF LODI

PUBLIC WORKS DEPARTMENT

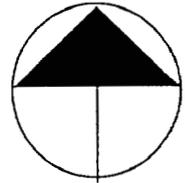
EXISTING CONDITIONS



Residential



STREET



Vacant

LOCKEFORD

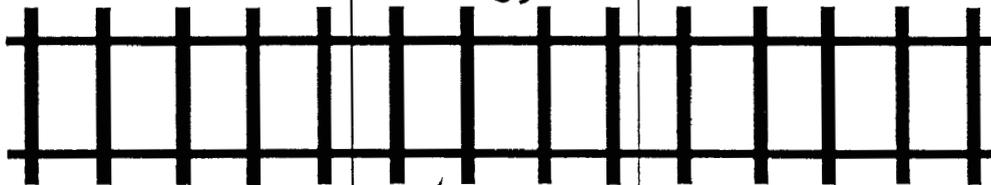
STREET

Railroad Property



Railroad Property

STOCKTON



Kentucky House Branch Line



- Existing Stop signs

RESOLUTION NO. 97-134

A RESOLUTION OF THE LODI CITY COUNCIL
APPROVING INTERSECTION CONTROL AT THE INTERSECTION OF
LOCKEFORD STREET AND STOCKTON STREET, THEREBY
AMENDING TRAFFIC RESOLUTION NO. 87-163

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WHEREAS, a study has been prepared based on the high number of accidents at the intersection of Lockeford Street and Stockton Street, a two-way stop-controlled intersection; and

BE IT RESOLVED, that the City Council of the City of Lodi does hereby approve the installation of four-way stop control at Lockeford Street and Stockton Street; and

FURTHER RESOLVED, that City of Lodi Traffic Resolution No. 87-163, Section 2 (c) "Stop Intersections" is hereby amended by installing four-way stop signs on Lockeford Street and Stockton Street.

Dated: September 3, 1997

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I hereby certify that Resolution No. 97-134 was passed and adopted by the City Council of the City of Lodi in a regular meeting held September 3, 1997, by the following vote:

- AYES: COUNCIL MEMBERS -
- NOES: COUNCIL MEMBERS -
- ABSENT: COUNCIL MEMBERS -
- ABSTAIN: COUNCIL MEMBERS -

ALICE M. REIMCHE
City Clerk