



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Railroad Crossing Protection, Pleasant Avenue at Lockeford Street

MEETING DATE: September 6, 1995

PREPARED BY: Public Works Director

RECOMMENDED ACTION: That the City adopt a resolution agreeing to participate in the cost of the at-grade crossing protection on Pleasant Avenue at Lockeford Street based on the City receiving Federal funding and with the City's share not to exceed 10 percent.

BACKGROUND INFORMATION: At the August 16, 1995 City Council meeting, Council requested staff bring back additional traffic information before they decide whether or not to approve funding participation for the railroad crossing protection on Pleasant Avenue at Lockeford Street. The following summarizes the project traffic information and accident history.

Project Initiation - 1981

This project dates back to 1981 when the Public Works Director requested this crossing be added to the Public Utilities Commission (PUC) list along with six other unprotected crossings. The intent was to have all public railroad crossings protected while Federal funding was available. When this project was initiated, a collision diagram was prepared for January 1977 through August 1981 (Exhibit A). During this four-year-and-eight-month period, there were three train-versus-vehicle accidents. All of these accidents involved southbound motorists on Pleasant Avenue being hit by trains. Although they were all non-injury accidents, this is not the usual outcome of vehicle/train collisions.

Several meetings were held between the City, Southern Pacific Transportation Company (SPTC) and PUC staff, but, due to the intersection geometry, no agreement was reached on the type or appropriate location of crossing protection.

In 1990, this location was on the PUC list with gates and flashing light signals as the recommended crossing protection. Caltrans requested the City participate with the crossing protection. According to records, no decision was made by the involved agencies on the type of crossing protection.

In 1992, staff initiated an on-site review with the SPTC, PUC and Caltrans representatives. The accident history was reviewed for a five-year period (1986-1991). As shown on Exhibit B, during this period there was one accident which involved a train hitting a motorist southbound on Pleasant Avenue. This accident was a non-injury accident. At this on-site review, the involved agencies determined the recommended crossing protection at this intersection would be only an automated gate with a flashing light for southbound Pleasant Avenue traffic.

APPROVED: _____


THOMAS A. PETERSON
City Manager



recycled paper

Recently, the crossing protection was included in the 1995 PUC list with gates and flashing lights as the recommended grade crossing protection. No design details are provided at this stage. The accident records from January 1992 to July 1995 were reviewed (Exhibit C). There have been no accidents involving trains during this three-and-a-half-year period.

Additional Traffic Information

Lockeford Street carries approximately 10,500 vehicles per day with a posted speed of 35 miles per hour (mph). Pleasant Avenue carries approximately 1,000 vehicles per day with a 25 mph prima facie speed. As shown on Exhibit D, the southbound approach has advance railroad warning (marking and sign). The only other warning device is the crossbucks located for the northbound traffic. Also, it is necessary for southbound motorists to stop on the railroad tracks on Pleasant Avenue to see Lockeford Street motorists due to the sight obstruction of the adjacent building.

There are four trains per day along this track and the train travels at approximately 15 mph.

Summary

Based on the above study, staff recommends that we proceed with the process to install crossing protection at this intersection. It appears to us that a gate for southbound Pleasant Avenue traffic will be sufficient. This will be worked out with SPTC and PUC at a later stage in the process. The final design and estimate will be brought back to the Council for approval along with the necessary agreements.

As stated in the August 16, 1995 Council Communication, the City can obtain 90 percent Federal funding through Caltrans Local Assistance if the City is willing to pay for the remaining 10 percent. Estimates for the cost of the project, provided by SPTC, are not available at this time. Similar projects resulted in a cost to the City of \$10,000 to \$15,000. This one should be less. The City must agree to the 10 percent participation before Caltrans can initiate the funding process which includes requesting the SPTC estimate. As stated in the previous communication, this process will take a few years to complete; therefore, funds will not be appropriated until actually needed.

FUNDING: Street Fund, not to exceed \$15,000.



Jack L. Ronsko
Public Works Director

Prepared by Paula J. Fernandez, Associate Traffic Engineer

JLR/PJF/lm

Attachments

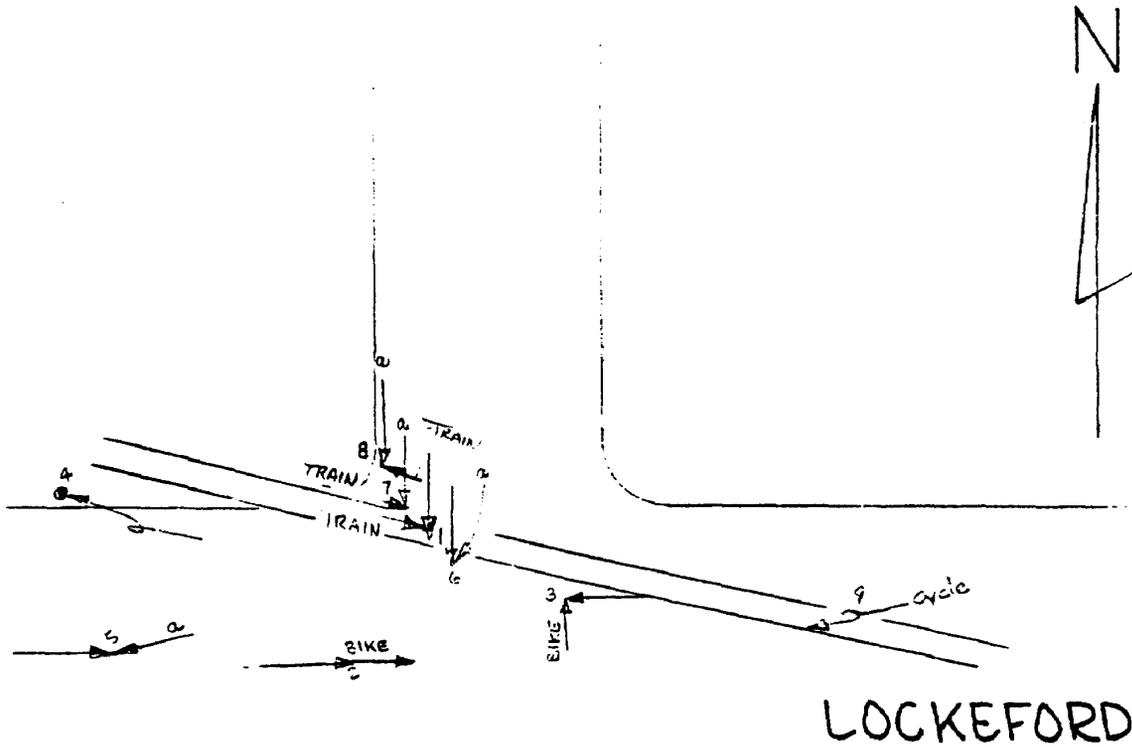
cc: City Attorney
Associate Traffic Engineer



CITY OF LODI

PUBLIC WORKS DEPARTMENT

LOCKEFORD & PLEASANT COLLISION DIAGRAM 1977 TO 1981, AUG.



NO.	DATE	TIME	CAUSE
1	4-26-81	1020	TRAIN/FAIL YIELD
2	12-12-80	1707	BIKE/NO LIGHTS
3	7-30-80	1629	BIKE/FAIL YIELD
4	6-29-80	2252	H B D
5	8-16-79	2320	(a) H B D
6	11-2-78	1415	(a) IMPROPER TURN
7	9-10-76	0946	(a) BEYOND STOP LINE
8	9-1-77	1257	(a) " " " "
9	3-27-77	1507	WHEEL IN TRACKS

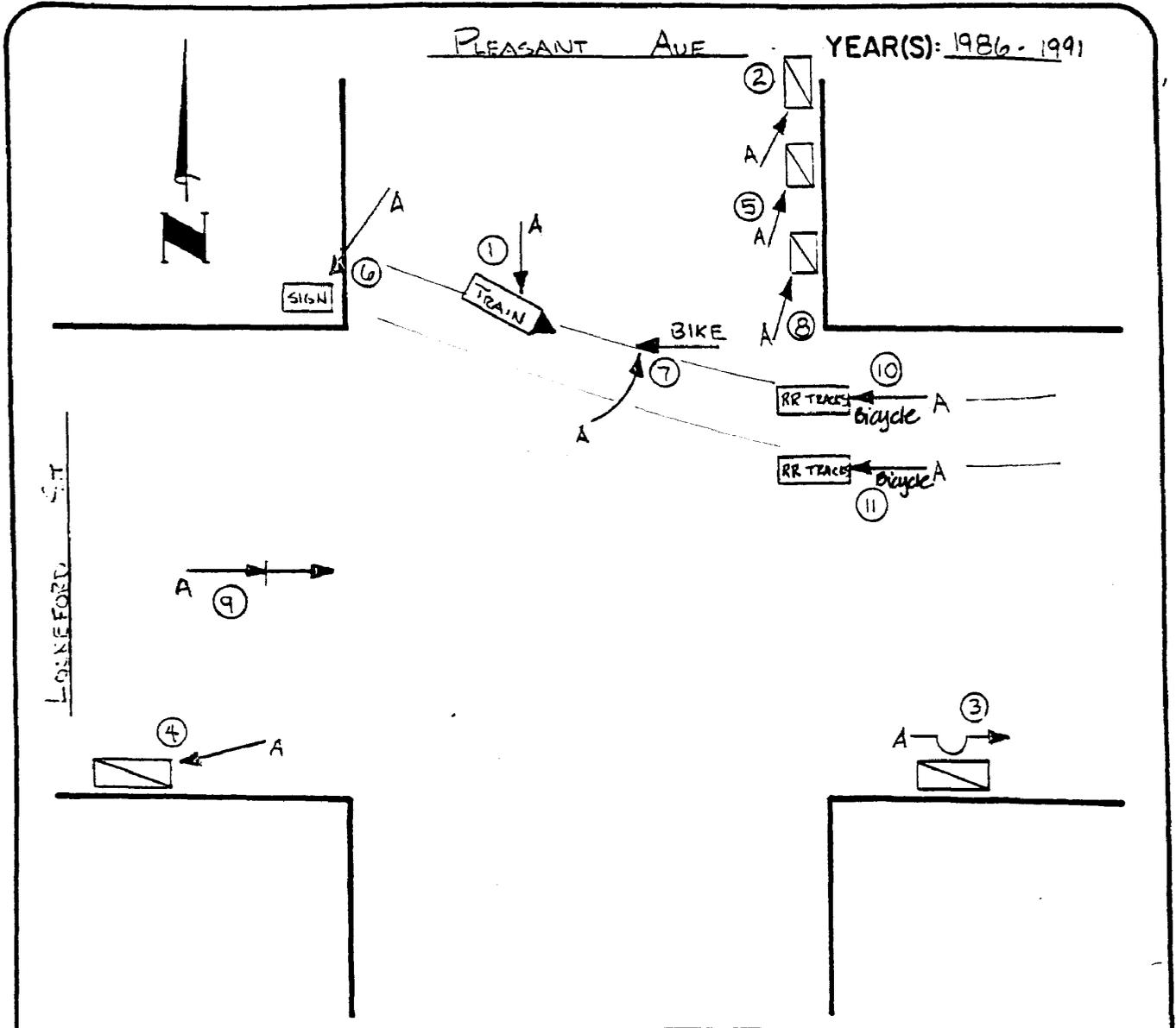
PLEASANT

Drawn MD	No.	Date	Approved	Approved By	
Checked					
Date 8-26-81				Public Works Director RCE	Date



CITY OF LODI
PUBLIC WORKS DEPARTMENT

Collision Diagram
Intersection Of
LOCKE FORD ST and PLEASANT AVE



No.	DATE	TIME	DAMAGE	INJURED	APPARENT CAUSE (A)
1	1-22-88	9:10	None-None	0	Failure to stop on Train
2	8-30-88	7:03	Med-Min	0	N/R Unknown
3	10-14-88	11:03	Med-Min	0	N/R UNDER SPEED
4	12-9-88	2:03	Med-Min	0	N/R UNDER SPEED
5	10-11-88	1:21	Med-Min	0	N/R DROVE THROUGH TO THE RIGHT
6	1-24-89	9:40	Med-Min	0	N/R UNDER SPEED
7	2-8-89	1:07	Med-Min	1	Failure to yield to Bus
8	4-29-89	1:27	Med-Min	0	N/R Unknown
9	11-14-91	1:07	Med-Min	1	Unknown Speed
10	9-11-91	1:27	Med-Min	1	Unknown Speed
11	9-18-91	1:27	Med-Min	1	Unknown Speed

L E G E N D

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

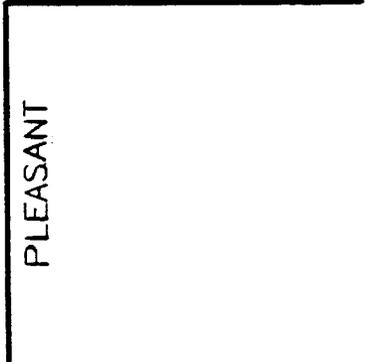
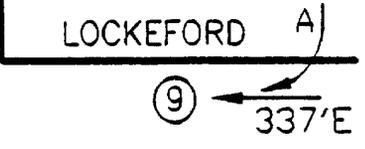
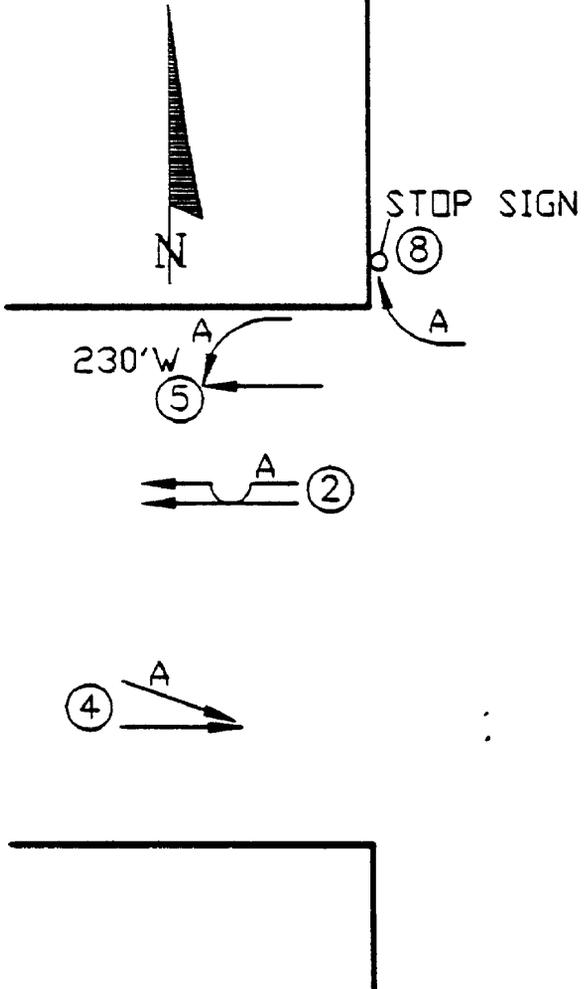
DATE: 1-16-92



Collision Diagram
Intersection Of
LOCKEFORD and PLEASANT

DATE: 8-16-95

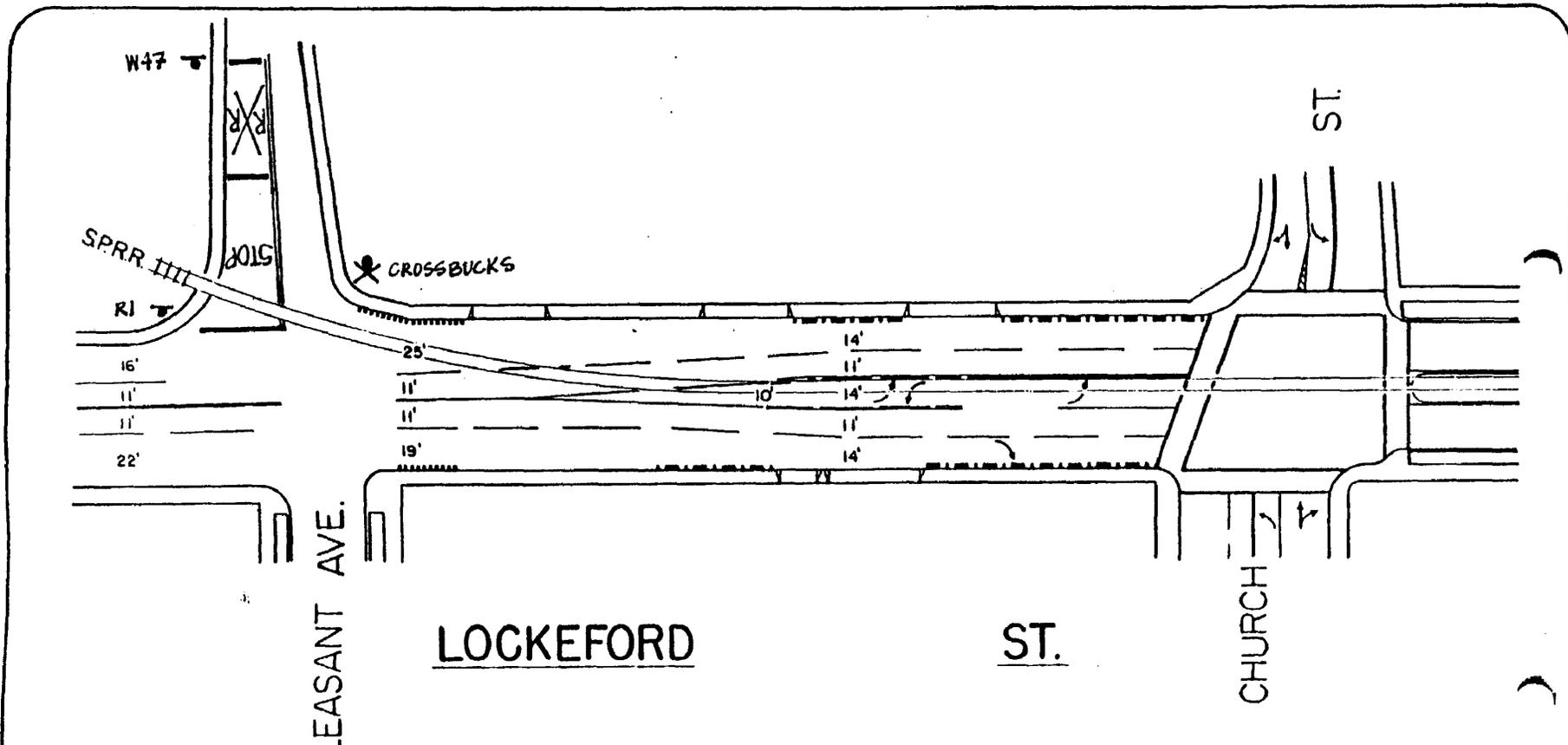
YEARS:
JAN 1992-JULY 1995



Date 8-16-95	Year(s) 1992-1995		Location: Lockeford and Pleasant			
PO#	No.	Date	Time	Damage	Injured	Apparent Cause (A)
92-3208	1	3/17/92	1247	Min-Min	0	Unk- Report Didn't State
92-9087	2	8/13/92	1504	Med	0	Unsafe Lane Change
92-11087	3	9/28/92	1852	Min-Min	0	Unk- Report Didn't State
92-12258	4	10/27/92	1382	Med-Min	1	Unsafe Lane Change
94-4903	5	4/27/94	1738	Min-Min	0	Unsafe Turn
94-7787	6	7/1/94	1500	Min-Min	0	Unk- Report Didn't State
94-8107	7	8/1/94	1648	Min-Min	0	Unk- Report Didn't State
94-8803	8	8/13/94	1820	Unk	0	Unk- Other Not Found
94-12560	9	10/18/94	1247	Min-Med	0	Instability

L E G E N D

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



L E G E N D	
.....	EXISTING "NO PARKING" ZONE
-----	EXISTING "NO PARKING" ZONE
RI	STOP SIGN
W47	ADVANCE RR WARNING SIGN

No.	Date	Revised	Appr.	Approved By
1				
2				
3				
4				

Date 10/86
 Public Works Director
 NCE


CITY OF LODI
 PUBLIC WORKS DEPARTMENT

LOCKEFORD STREET
@ PLEASANT AVE
SPRR CROSSING

Exhibit

RESOLUTION NO. 95-115

A RESOLUTION OF THE LODI CITY COUNCIL
APPROVING PARTICIPATION IN THE COST OF RAILROAD
CROSSING PROTECTION AT PLEASANT AVENUE
AND LOCKEFORD STREET

RESOLVED, that the City Council of the City of Lodi does hereby approve the participation in the cost of installing railroad grade crossing protection at Pleasant Avenue and Lockeford Street, based on the City receiving Federal funding with the City's share not to exceed 10 percent.

Dated: September 6, 1995

I hereby certify that Resolution No. 95-115 was passed and adopted by the City Council of the City of Lodi in a regular meeting held September 6, 1995, by the following vote:

AYES:	COUNCIL MEMBERS -	Davenport, Pennino, Sieglock, Warner and Mann (Mayor)
NOES:	COUNCIL MEMBERS -	None
ABSENT:	COUNCIL MEMBERS -	None
ABSTAIN:	COUNCIL MEMBERS -	None


JENNIFER M. PERRIN
City Clerk