



CITY OF HAYWARD
AGENDA REPORT

AGENDA DATE 02/08/00
AGENDA ITEM 4
WORK SESSION ITEM _____

TO: Mayor and City Council
FROM: Director of Public Works
SUBJECT: Authorization for the City Manager to Execute an Agreement for Office of Traffic Safety Grant and Appropriate Funds

RECOMMENDATION:

It is recommended that the City Council approve the attached resolution authorizing the City Manager to:

1. Execute a grant agreement with the Office of Traffic Safety for a Collision Database and Analysis System;
2. Appropriate \$69,000 for the Collision Database and Analysis Project in the Transportation System Management Fund.

BACKGROUND:

The City of Hayward has recently received preliminary approval from the California Office of Traffic Safety (OTS) for a Computerized Collision Database Analysis System project. Final approval is subject to the completion of a satisfactory project agreement between the City and OTS.

This project's goal will be to create an effective, easily maintained, automated collision analysis system that will be used to generate accurate information upon which to base engineering and other traffic-related safety decisions. The objectives for the project are to:

- Consolidate collision information in an efficient automated records system.
- Identify and purchase hardware and software required for an automated collision database and analysis system.
- Develop a database system with the capability to input, edit, store, and retrieve traffic collision record information by location, generate collision diagrams and create electronic "pin maps," and install three years worth of collision records.
- Analyze high collision locations and prepare a brief report on potential remedial actions.

Staff currently receives approximately 100 accident reports each month that are manually input to an electronic pin map and then filed chronologically by location. In most cases, the actual reports must be pulled from the files and evaluated. As this process is labor-intensive and time consuming, it is difficult to obtain even the most basic collision summaries. Information that would be highly desirable, but can seldom be assembled, includes lists of high collision locations, bicycle and pedestrian accident concentrations by location, and prevailing collision patterns at intersections and mid-block locations. Additionally, due to limited staff time, intersection collision diagrams are generally not prepared.

Implementation of the Collision Database/Analysis project will allow staff to respond to Council and resident's concerns about specific traffic engineering issues in a more timely manner. Additionally, the ready availability of accident data will allow staff to identify locations with high accident potential that may benefit from further analysis.

As noted in the City's application to OTS, staff is proposing to purchase software and input assistance from Crossroads Software. Based on discussions with OTS and a review of what is used by other cities, the Crossroads software is the best available for doing collision database management and analysis. In addition to providing the software and inputting the initial accident data, Crossroads will train City staff to update and monitor the system on a regular basis. Once the software and necessary computer hardware are in place, the City will contract with a traffic engineering consultant to analyze the ten highest collision locations and to develop engineering solutions for those locations.

PROJECT COSTS:

Estimated costs for this project are as follows:

Software and Hardware Purchase	33,500
Traffic Consultant Agreement	24,500
City staff time	11,000
Total	<u>69,000</u>

FUNDING:

OTS has approved \$69,000 in grant funding for this project. Therefore, staff recommends that the Council appropriate \$69,000 for the project in the Transportation System Management Fund. Since these funds will be 100 percent reimbursed to the City in the 2000/2001 fiscal year, no new City funds will be required.

SCHEDULE:

OTS Agreement Executed
Start of Analysis
Project Completion

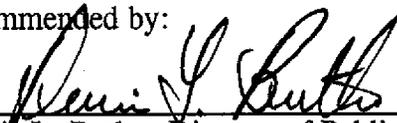
February, 2000
April, 2000
March, 2001

Prepared by:



Robert A. Bauman, Deputy Director of Public Works

Recommended by:



Dennis L. Butler, Director of Public Works

Approved by:



Jesús Armas, City Manager

DM 2-2-07

DRAFT
HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

**RESOLUTION AUTHORIZING THE CITY MANAGER
TO EXECUTE A GRANT AGREEMENT BETWEEN THE
CITY OF HAYWARD AND THE OFFICE OF TRAFFIC
SAFETY FOR A COLLISION DATABASE AND
ANALYSIS SYSTEM**

BE IT RESOLVED by the City Council of the City of Hayward that the City Manager is hereby authorized and directed to execute on behalf of the City of Hayward a grant agreement with the Office of Traffic Safety for a Collision Database and Analysis System.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2000

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward

DRAFT

Jm 1-31-00

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

RESOLUTION AMENDING RESOLUTION 99-110, AS AMENDED, THE BUDGET RESOLUTION FOR CAPITAL PROJECTS FOR FISCAL YEAR 1999-2000, RELATING TO AN APPROPRIATION OF FUNDS FOR A COLLISION DATABASE AND ANALYSIS SYSTEM, PROJECT NO. 5746

BE IT RESOLVED by the City Council of the City of Hayward that Resolution No. 99-110, as amended, the Budget Resolution for Capital Projects for fiscal year 1999-2000, is hereby further amended by appropriating an additional \$69,000 from the Transportation System Management Fund, Fund 420, to the Collision Database and Analysis System, Project No. 5746.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2000

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward