

THIS DOCUMENT ILLUSTRATES THE TEMPLATED CONTENT OF THE GRANTS MADE EASY (GME) TYPE IDENTIFIED BELOW. PLEASE NOTE THAT THIS DOCUMENT IS NOT A GRANT APPLICATION.

Type of Grant: GME Traffic Records

Grant Title: Traffic Collision Database Analysis and Mapping System

Grant Description:

The Traffic Collision Database and Mapping System will provide data input and management for traffic collision reports. Using GIS mapping systems, staff can query and map information from the database to identify high frequency locations and patterns. Identified locations that exceed collision thresholds can then be further studied and appropriate action taken. This software will replace the existing system of hand logging each collision, convert the collision pin map to an interactive mapping solution, automate the production of collision history diagrams, generate periodic or specific reports, and allow staff to search collision records by location, primary collision factor, involved vehicle or party types, time of day, etc.

Grant Information

Grant Type: Grants Made Easy
Grant Opportunity: Traffic Safety Grant - GME
Federal Fiscal Year: FFY 2014
Type of Grant: GME Traffic Records

Goals

Goal ID	Goal
5	To reduce the number of persons killed in traffic collisions.
6	To reduce the number of persons injured in traffic collisions.
47	To establish a Traffic Collision Analysis and Database System with GIS Mapping; including hardware, software and network cabling or other linking media to ensure Police Department and/or the Public Works Department has timely access to current and complete traffic data required to identify, isolate and analyze critical traffic safety issues

Objectives

Objective ID	Objective
25	To issue a press release announcing the kick-off of the grant by November 15. The press releases and media advisories, alerts, and materials should be emailed to the OTS Public Information Officer at pio@ots.ca.gov, and copied to your OTS Coordinator, for approval 14 days prior to the issuance date of the release.

377	To send all grant-related activity press releases, media advisories, alerts and general public materials to the OTS Public Information Officer (PIO) at pio@ots.ca.gov, with a copy to your OTS Coordinator. If an OTS template-based press release is used, the OTS PIO and Coordinator should be copied when the release is distributed to the press. If an OTS template is not used, a draft press release must first be sent to the OTS PIO for approval. Drafts should be sent for approval as early as possible to insure adequate turn-around time. Optimum lead time would be 10-20 days prior to the operation.
34	To use the following standard language in all press, media, and printed materials: Funding for this program was provided by a grant from the California Office of Traffic Safety, through the National Highway Traffic Safety Administration.
266	To report the procurement status of all equipment planned to be purchased as part of this grant.
206	To reduce the time it takes to identify high collision locations, produce special and statistical analyses, and collision research from __ hours to __ hours.
207	To provide the ability to generate and disseminate daily, weekly, monthly or annual activity reports by September 30 of each grant year. Reports must be customizable and contain data relevant to traffic enforcement and/or traffic engineering activities.
209	To provide a comprehensive electronic traffic records network including hardware, software and network cabling or other linking media for the Police Department and/or the Department of Public Works.
210	To implement a software application to provide a report identifying the number and severity of collisions occurring at the __ most critical locations.
211	To utilize a software program which includes the ability to correlate collisions with components such as roadway design, signal timing, visibility, traffic volumes, weather conditions and other relevant factors not within the control of the drivers.
212	To establish regular meetings between the Police Department and the Department of Public Works to share the collected traffic related data.
213	To enable the secure and confidential exchange of collision data between agencies.
214	To ensure the network system includes a relational database management system (RDMS) for storing and processing data.
215	To identify __ high traffic collision locations to be improved, scheduled for improvement or recommended for improvement.
216	To increase the number of traffic collision locations analyzed from __ to __.
217	To provide a software application with the means of producing current reports ranking collision locations by number and primary collision factor (PCF).
218	To train __ staff members in the usage and maintenance of the finalized version of the system software.
219	To establish a Geographic Information System (GIS) to track collision data and collision locations and to produce GIS maps.
221	To reduce the time between an incident and its date of entry into the GIS system from __ days to __ days.

248	To improve Police Department and/or Traffic Engineering Department customer service by improving the time it takes to produce and track collision reports and also by reducing the time that it takes to analyze high collision locations from __ minutes to __ minutes.
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PROBLEM STATEMENT

Currently, our agency does not possess adequate means to identify locations with a high incidence collisions and changing traffic patterns, or to analyze these locations and patterns in a timely and efficient manner. Our agency does not have an automated traffic records system which can be efficiently utilized to pinpoint and analyze high collision locations, thereby correlating these statistics to traffic controls or needed traffic safety improvements. Traffic engineering and police staff must compile information by labor intensive methods because of the limitations of current resources. The inability to work with timely collision data when attempting to identify and address traffic safety issues has severely limited the ability of both the traffic engineering and the police department’s personnel to proactively address critical traffic safety issues within our jurisdiction.

METHOD OF PROCEDURE

Phase 1 – Program Preparation (1st Quarter of the Grant Year)

The Grant Director will research available software programs, select a vendor, and enter into a contract with a software provider using their agency’s procurement process. Once a contract is approved, software will be installed and training will be conducted for those personnel with access.

Old data from the existing software will be transferred to the new system, ensuring no loss of historical data. Custom reports will be formatted, utilizing feedback from the end users in the Traffic Division.

A press release will be distributed announcing the award of the grant and what the grant funds will help the department achieve.

Phase 2 – Program Operations (2nd, 3rd and 4th Quarters of the Grant Year)

The Grant Director will coordinate and release all promotional and press materials, using the standard required language.

All custom reports will be formulated and data entry of incoming collision reports will begin on the new software.

Phase 3 – Data Collection & Reporting – (Throughout Grant Period)

Agencies are required to collect and report quarterly, appropriate data that supports the progress of each goal and objective.

Statistical data relating to the grant goals and objectives will be collected, analyzed, and incorporated in Quarterly Performance Reports (QPRs). QPRs for the quarter ending September 30 will include year-to-date comparisons of goals and objectives. If required, a separate quarterly data reporting form will be completed each quarter and submitted as part of the QPR.

Reports will compare actual grant accomplishments with the planned accomplishments. They will include information concerning changes made by the Grant Director in planning and guiding the grant efforts.

Reports shall be completed and submitted in accordance with OTS requirements specified in the Grant Program Manual.

Method of Evaluation

Using the data compiled during the grant, the Grant Director will: (1) briefly state the original problem, (2) specify the most significant goals and objectives, (3) highlight the most significant activities that contributed to the success of the program and the strategies used to accomplish the goals, and (4) describe the program's accomplishments as they related to the goals and objectives.

Program Income

There is no Program Income in this grant.