

THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
BOARD ACTION SUMMARY

DEPT: CEO - Risk Management

BOARD AGENDA #: *B-6

AGENDA DATE: February 7, 2017

SUBJECT:

Approval to Fund a Comprehensive Roadway Safety Analysis to Support Risk Management Strategies for Improving Community Safety and Reducing Claims Liabilities

BOARD ACTION AS FOLLOWS:

No. 2017-56

On motion of Supervisor Withrow, Seconded by Supervisor Olsen
and approved by the following vote,

Ayes: Supervisors: Olsen, Withrow, Monteith, DeMartini, and Chairman Chiesa

Noes: Supervisors: None

Excused or Absent: Supervisors: None

Abstaining: Supervisor: None

1) Approved as recommended

2) Denied

3) Approved as amended

4) Other:

MOTION:

ATTEST:


ELIZABETH A. KING, Clerk of the Board of Supervisors

File No.

**THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
AGENDA ITEM**

DEPT: CEO - Risk Management
Urgent Routine

BOARD AGENDA #: *B-6

AGENDA DATE: February 7, 2017

CEO CONCURRENCE:



4/5 Vote Required: Yes No

SUBJECT:

Approval to Fund a Comprehensive Roadway Safety Analysis to Support Risk Management Strategies for Improving Community Safety and Reducing Claims Liabilities

STAFF RECOMMENDATIONS:

1. Approve a request from CEO Risk Management to fund a Comprehensive Roadway Safety Analysis to improve community safety and reduce organizational liability.
2. Approve the use of up to \$500,000 in Appropriations for Contingencies as the local match for the Highway Safety Improvement Program Grant administered through Public Works.
3. Authorize the Chief Executive Officer and Auditor-Controller to make the necessary adjustments as detailed in the attached Budget Journal.

DISCUSSION:

The County road system serves as an essential element of our local infrastructure, with the goal of supporting safe and efficient transportation for all members of the community. With approximately 2.5 million miles driven throughout the County each day, the roadway system can also present a significant liability to the organization when road conditions are not properly addressed. In the past five years, Stanislaus County has received 130 roadway claims that vary from vehicle pothole damage to fatalities that are alleged to have occurred due to poor road conditions on County roads. CEO Risk Management has worked with Public Works and County Counsel to review claim trends and to develop strategies to evaluate the safety of the County road system. This agenda item seeks Board approval to fund a comprehensive study of the safety of the County's road system, while leveraging State grant funding available to Public Works in Fiscal Year 2016-2017.

The proposed Comprehensive Roadway Safety Analysis (CRSA) will evaluate all County roadways (currently 1,510 centerline miles) and prioritize the systemic and spot location needs of the road system. Completion of the CRSA will support a more proactive approach for Public Works to manage the County roads inventory, and ultimately improve the safety of the roads system for the community while reducing organizational liabilities and associated costs. The scope of this effort will include hiring a consultant who will create an inventory of roadway geometrics and identify locations where safety can be increased to reduce risk for the traveling public.

Approval to Fund a Comprehensive Roadway Safety Analysis to Support Risk Management Strategies for Improving Community Safety and Reducing Claims Liabilities

From a systemic approach, gathering roadway information to be reviewed through comprehensive analysis is a critical first step in the process of improving road safety. Samples of information for the inventory to be identified are shoulder drop-offs, roadway lane widths, horizontal and vertical alignments, and existing signs and striping. The report will utilize existing collision data from the Internet Statewide Integrated Traffic Records System, and will cross check Public Works' existing Crossroads software with data from the UC Berkeley Transportation Injury Mapping System. The key component of gathering this data will be utilizing the Highway Safety Manual to develop a predictive model and establishing a local calibration factor for the various types of infrastructure (stop-controlled/signalized intersections, two-lane rural roadways, multi-lane arterials, etc.). The model will be able to better identify locations that may be rarely traveled, but have a higher than expected crash rate. In addition, it will help in identifying higher than expected crash rates of certain types, such as "run-off road," that will lead to the most cost-effective solution for spot locations, along with the proposed systemic improvements. These locations otherwise may not be identified when using the traditional analysis for roadway safety measurement.

The CRSA is partially funded through a \$250,000 grant awarded to Stanislaus County Public Works from the Caltrans State Highway Safety Improvement Program (HSIP). Caltrans received 108 applications from cities and counties in the most recent round of funding, while approving 61 projects totaling \$10 million state-wide. By demonstrating a more strategic and data-driven approach to roadway safety, the County will be better positioned in the future to compete for these types of grant funding opportunities specifically earmarked for improving roadway safety.

Public Works has pre-existing authority to accept grant funding from Caltrans. Upon approval of these recommendations, the Department will issue an RFP and bring the results back to the Board of Supervisors for approval in the spring of 2017.

POLICY ISSUE:

To implement the recommendations included in this agenda item, the Board of Supervisors must approve the use of Appropriations for Contingencies and any associated adjustments to budget appropriations by 4/5ths vote of the Board.

FISCAL IMPACT:

The estimated cost of completing the CRSA report and analysis is \$750,000. HSIP funds will support \$250,000 of this cost, while the remaining balance of up to \$500,000 will be funded through Appropriations for Contingencies. This amount may be reduced based on the actual costs that materialize during the project. Existing appropriations in the Public Works Road and Bridge budget will be used for the study.

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Cost of recommended action: \$ 750,000

Source(s) of Funding:

Highway Safety Improvement Program (HSIP) \$ 250,000

Funding Total: \$ 250,000

Net Cost to County General Fund \$ 500,000

Fiscal Year:

| |
|-----------|
| 2016-2017 |
| Yes |

Budget Adjustment/Appropriations needed:

BOARD OF SUPERVISORS' PRIORITY:

The recommended action supports the Board of Supervisors' priority of A Well-Planned Infrastructure System by improving the management and safety of the County's roadway system, and the Efficient Delivery of Public Services by reducing claims and liability associated with County roads.

STAFFING IMPACT:

Existing Public Works staff will oversee the procurement and management of this contracted service.

CONTACT PERSON:

Jody Hayes, Assistant Executive Officer
 Matt Machado, Public Works Director

Telephone: (209) 525-5714
 Telephone: (209) 525-4153

ATTACHMENT(S):

1 – Budget Journal

ATTACHMENT ONE

Budget Journal

Database
Balance Type
Data Access Set

FMSDBPRD.CO.STANISLAUS.CA.US.PROD
Budget
County of Stanislaus

DO NOT CHANGE
DO NOT CHANGE
DO NOT CHANGE

Ledger
Budget
Category
Source
Currency
Period
Batch Name
Journal Name
Journal Description
Journal Reference
Organization
Chart Of Accounts

* List - Text County of Stanislaus
List - Text LEGAL BUDGET
* List - Text Budget - Upload
* List - Text CEO
* List - Text USD
List - Text FEB-17
Text
Text JV CEO100772
Text Transfer appropriations to Public Works
Text BOS Agenda Item
List - Text Stanislaus Budget Org
Text Accounting Flexfield

DO NOT CHANGE
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ENTER AS MMM-YY (ALL CAPS FOR MMM) EX: NOV-11
DO NOT CHANGE
DO NOT CHANGE

| Upl | Fund (4 char) | Org (7 char) | Account (5 char) | GL Project (7 char) | Location (6 char) | Misc. (6 char) | Other (5 char) | Debit incr appropriations decr est revenue | Credit decr appropriations incr est revenue | Line Description | |
|---------------|------------------|-----------------|---------------------|------------------------|----------------------|-------------------|-------------------|--|---|------------------|----------------------------|
| * List - Text | | | | | | | | | | | |
| | | | | | | | | * Number | * Number | Text | |
| R | 0100 | 0016071 | 89000 | 0000000 | 000000 | 000000 | 000000 | 00000 | | 500000 | Transfer to County Match |
| R | 0100 | 0016041 | 85850 | 0000000 | 000000 | 000000 | 000000 | 00000 | 500000 | | Transfer to Public Works |
| R | 1102 | 0040310 | 46620 | 0000000 | 000000 | 000000 | 000000 | 00000 | | 500000 | Transfer from County Match |
| Totals: | | | | | | | | | 500000 | 1000000 | |

Tip: This is not the end of the Template. Unprotect the sheet and insert as many rows as needed.

Explanation: Transfer appropriations from Appropriations for Contingencies to General Fund Contributions to Other Programs for Public Works' Road Study.

| | | | | | |
|--|--|------------|-------------|-----------------------------------|-----------------------|
| Requesting Department <i>Brenda Keith</i> | | Data Entry | | Auditors Office Only | |
| Prepared by <i>2/1/17</i> | Supervisor's Approval <i>[Signature]</i> <i>2/3/17</i> | Keyed by | Prepared By | Approved By <i>[Signature]</i> | Date <i>2/1/17</i> |
| Date | Date | Date | Date | Date | Date |