



COUNTY OF NEVADA
COMMUNITY DEVELOPMENT AGENCY
DEPARTMENT OF PUBLIC WORKS
950 MAIDU AVENUE, NEVADA CITY, CA 95959-8617
(530) 265-1411 FAX (530) 265-9849 www.mynevadacounty.com

Steven L. DeCamp
Community Development Agency Director

Steve Castleberry
Director of Public Works

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NEVADA COUNTY BOARD OF SUPERVISORS
Board Agenda Memo

MEETING DATE: January 12, 2016
TO: Board of Supervisors
FROM: Tim Wood, Sr. Civil Engineer/County Surveyor
SUBJECT: **Resolution Authorizing Approval of a Cooperative Agreement with California Department of Transportation for the Emergency Vehicle Preemption Installation Project - District II**

RECOMMENDATION: **Approve the Resolution Authorizing Approval of a Cooperative Agreement with California Department of Transportation for the Emergency Vehicle Preemption Installation Project**

FUNDING: This project is funded through the regional shares of the State Transportation Improvement Plan (STIP) in Fiscal Year 2015/16. \$136K was recently allocated by the California Transportation Commission (CTC) at their October 2015 meeting. Funding level is based on estimates to complete the Plans, Specification and Estimates (PS&E) and construction contract. The actual costs will be reimbursed at 100% STIP funds with no local match. No budget amendment is needed. There is no impact on the General Fund.

BACKGROUND:

The State Highway 49 corridor between Grass Valley and Auburn is a route with high volume, congestion and many traffic incidents. Over the past several years, a Highway 49 Safety Committee has worked to improve safety along this corridor. One means recommended by the Committee to help reduce the possible conflict between traffic and emergency response vehicles was to install an electric system at signalized intersections that can change the signal state to green immediately prior to entering the intersection. Studies have found an Emergency Vehicle Preemption (EVP) system is an effective means for emergency responders to reduce potential for vehicle conflicts at signalized intersections when compared to intersections without EVP. When activated by the emergency responder, cross traffic will have their signals change from green to yellow and then yellow to red; The emergency responder will then get a green light allowing them to travel through the intersection unimpeded by the potential of inattentive cross traffic. This project will install EVP systems at the Alta Sierra Road, Lime Kiln Road and Combie Road Signalized intersections along Highway 49.

In order to receive the allocated funds for the EVP system project in the State's Highway 49 right of way, Caltrans has asked that a cooperative agreement be executed. The attached agreement outlines invoicing requirements to allow the County to recoup project costs. Once installed, the EVP system will fall under the existing operations and maintenance agreement with Caltrans where the State will perform the

maintenance and the County will pay for those costs. The County intends to work with Higgins Area Fire Protection District to obtain an agreement for the Fire District to pay for the maintenance of the EVP system.

The next step for this project is to prepare the Plans and Specifications for bid. The project is scheduled for construction beginning spring of 2016.

Item Initiated by: Tim Wood, Sr. Civil Engineer/County Surveyor

Approved by: STEVE CASTLEBERRY, Director

Submittal Date: November 5, 2015

Revision Date: December 15, 2015