

Memorandum

TAB 27

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: January 18-19, 2017

Reference No.: 4.16
Information Item

From: NORMA ORTEGA
Chief Financial Officer

Prepared by: James E. Davis, Chief (Acting)
Division of Transportation
Planning

Subject: **OVERVIEW OF THE CLIMATE CHANGE VULNERABILITY ASSESSMENT**

SUMMARY:

An overview of the Caltrans District Climate Change Vulnerability Assessment, is item being presented at the January 18-19, 2017 California Transportation Commission (Commission) meeting.

California's climate is changing. And as more change occurs over the coming years, decades and centuries, impacts to the State Highway System will become more severe and costly. To prepare for this, Caltrans is currently contracting with Parsons Brinckerhoff to conduct vulnerability assessments (assessment) to identify segments of the State Highway System vulnerable to sea level rise, storm surge, wildfire, temperature, and precipitation. This study will provide valuable Geographic Information System (GIS) data, including vulnerabilities by post mile and individual technical reports, for Caltrans' Districts use to incorporate policies, processes, and/or projects as a result of climate change conditions.

BACKGROUND:

Executive Order B-30-15, signed by Governor Edmund G. Brown in April 2015 directed State agencies to consider climate change in all planning and investment decisions. The results of this assessment will include detailed maps and GIS data. The outcome of this study will greatly assist Caltrans in understanding statewide vulnerabilities to meet the requirements of B-30-15. The data and information developed for the assessments will help in the development of adaptation options for highway segments at risk. Results of the study will be integrated into the planning, design, and project development processes.