

Equipment

October 2025

Project Title:

Evaluation and Testing of Security
Services for Caltrans Equipment
Yards and Maintenance Stations

Task Number: 4455

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Task Manager:

Alexander Pham
Research Project Manager
Alexander.Pham@dot.ca.gov

Evaluation and Testing of Security Services for Caltrans Equipment Yards and Maintenance Stations

This task aims to continue pilot testing of the Omniflow smart camera system and to explore the latest security system offerings that could be of use to Caltrans.

WHAT IS THE NEED?

The California Department of Transportation (Caltrans) currently experiences high amounts of vehicle component theft at equipment yards and maintenance stations. Cumulatively, the state has had over \$4 million in catalytic converter theft to date. Equipment yards and maintenance stations typically have perimeter fences and sometimes standing guards, but guard services are prohibitively expensive for wider usage. These current security measures are inadequate to deter criminals.

Caltrans requires further testing of the Omniflow smart camera system in addition to researching the latest security system offerings available on the market. With theft becoming an ever-increasing issue, new systems with modern features are constantly being developed in response.

WHAT ARE WE DOING?

The research team will conduct extended pilot testing of the Omniflow camera system due to unforeseen issues in planning, designing, acquiring, and installing the system. The research will also continue studying existing and future commercially available security systems as the market is rapidly developing.

WHAT IS OUR GOAL?

The goal of this research is to complete extended pilot testing and provide Caltrans with an updated literature review of the current security system landscape.



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WHAT IS THE BENEFIT?

This project plans to address the security needs of Caltrans equipment yards and maintenance stations across the state. These advanced security systems are expected to deter theft and streamline the process of alerting responding agencies to intruders at sites where these systems are deployed.

WHAT IS THE PROGRESS TO DATE?

The contract package was executed in July and work has started on this task. A site walk was held in July as a kickoff meeting to allow the project panel to see the installed Omniflow camera system installed at Shop 3 in Marysville, CA. Next steps are for the panel to select a compatible monitoring agency for the pilot test. For the latest contract information, please contact the contract manager.