

Equipment

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Project Title: Extended Evaluation and Testing of Mobile Robot Guard Teams for Security of Caltrans Equipment Yards and Maintenance Stations

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Extended Evaluation and Testing of Mobile Robot Guard Teams for Security of Caltrans Equipment Yards and Maintenance Stations

This task aims to explore the latest mobile security systems and conduct a pilot test with a chosen system at another Caltrans facility.

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.

Based on the results of prior research, Caltrans requires further testing of a mobile 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 survey and create a list of the latest mobile security camera systems available. The project panel will then select a system for pilot testing at a chosen equipment yard.

Following a six-month pilot test, the researchers will develop a final report with their findings.



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WHAT IS OUR GOAL?

The goal of this research is to complete pilot testing of a mobile camera security system and provide Caltrans with a comprehensive report comparing results to prior research tasks.

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 task manager worked with the assigned Division of Procurement and Contracts (DPAC) analyst on necessary revisions to the contract package. The contract is currently processing with DPAC and is pending execution.

For the latest task information, please contact the task manager.