Final/Termination Report: Calibration of Digital Cameras and Airborne Laser Image Detect and Range (LIDAR) Terrain Mapping Systems: Pooled Fund TP-F-5(022)

Objectives of this research:
There are two primary/interrelated objectives for this study. The first objective is to conduct a systematic and comprehensive evaluation of the performance of digital photogrammetric aerial camera systems, and to establish the geometric requirements and the procedures for in situ calibration of digital aerial camera systems. The second objective is to conduct a systematic and comprehensive investigation in the current state-of-the-art of the LIDAR technology in order to develop procedures for the calibration of LIDAR systems.

Objectives achieved during this research:
Travel restrictions were placed on Caltrans shortly after this project started. There was a couple of brainstorming sessions / meeting that were conducted that planned to design a questionnaire that would be sent to industry that would give ask for information that could be used to identify standards for calibration of LIDAR and Digital terrain mapping systems. But because of the travel restrictions, as well as a freeze on contracting procedures early in the Swarzennegger administration this contract expired before getting any substantial work completed. There was $43,842 dollars spent over the course of the project. The total project funding was $325,000.

Objectives unattained:
None of the objectives were attained because of the complications from travel restrictions as well as a freeze on contract procedures (extensions and amendments particularly) early in the Swarzennegger administration.

Reasons for Termination:
The contract was never terminated, the contract just expired due to the circumstances described above.

Expenditures:
Salaries/Benefits-$35,060.13
Indirect Costs-$5,754.98
Travel-$2,940.70
Supplies-$86.34
Total Expenditures-$43,842.15

Equipment:
There was no equipment purchased under this contract.