

Fulcrum Corporation

Quarterly Progress Report No. 2 for November 2003 - January 2004
Contract No. DTFH61-03-C-00125

Surveillance and Security Technologies for Bridges and Tunnels

1. Progress During this Period:

1.1. Task 1 – Technology Search and Survey (75% complete)

- Fulcrum and SAIC team members presented a brief to AASHTO committee during the TRB meeting in Washington, DC. Fulcrum team was invited to present a thorough review of the program and results of the survey during the May 2004 meeting. Also, the copy of the brief was submitted to AASHTO for distribution to its members.
- The survey has been completed and results are being analyzed. Fulcrum will contact responders with specific questions about the technologies and use of the systems.
- The Fulcrum Team finished the initial literature search and attended conferences to obtain information on all types of surveillance and monitoring systems and technologies. For example, Fulcrum staff was attending a railroad conference in Beijing and obtained information on Chinese security system. This search will continue all through the project time.

1.2. Task 2 – Analysis of Data from Task 1 (30% complete)

- Data analysis continued during this period concerning the survey and technical information gathered on the surveillance technologies.

1.3. Task 3 – Summarize Experience of States / Jurisdictions with Systems (10% complete)

- Fulcrum staff has performed the initial analysis of the data collected in task 1. We are planning to contact various states for further information and clarification of their systems.

1.4. Task 4 – Develop Protocol for Technology Assessments (10% complete)

- A meeting with Texas software vendor regarding their software and its application to the project database task was held on January 12th, 2004 at Fulcrum office. This software can be adapted to this program with some modifications. This software development has been funded by Department of Homeland Security.

1.5. Task 5 – Develop Draft Synthesis Report (0% complete)

- No progress during this period.

Fulcrum Corporation

1.6. Task 6 – Develop Final Synthesis Report (0% complete)

- No progress during this period.

2. Overall Project Status

- The bridge & tunnel surveillance and security technologies study is behind schedule. The initial survey took more calendar time than expected to produce, but the use of Internet survey systems reduced the costs of collecting and collating the initial data. The DHS elevated security alert levels have caused additional delays. It has been difficult to schedule visits to collect additional information on existing systems. The analysis and tool development timelines will be compressed to complete the effort within the current contract period of performance and cost.

3. Proposed Work for Next Quarter

- Final trip planning and coordination for The Port Authority of New York and New Jersey, as well as the Brookhaven testing facility after the New Year
- Continued planning for visits to Washington State and California in February
- Continue to analyze the questionnaire response received from the states.
- Continue to create databases concerning the surveillance systems including the foreign technologies.
- Prepare and present a paper for AASHTO spring meeting.

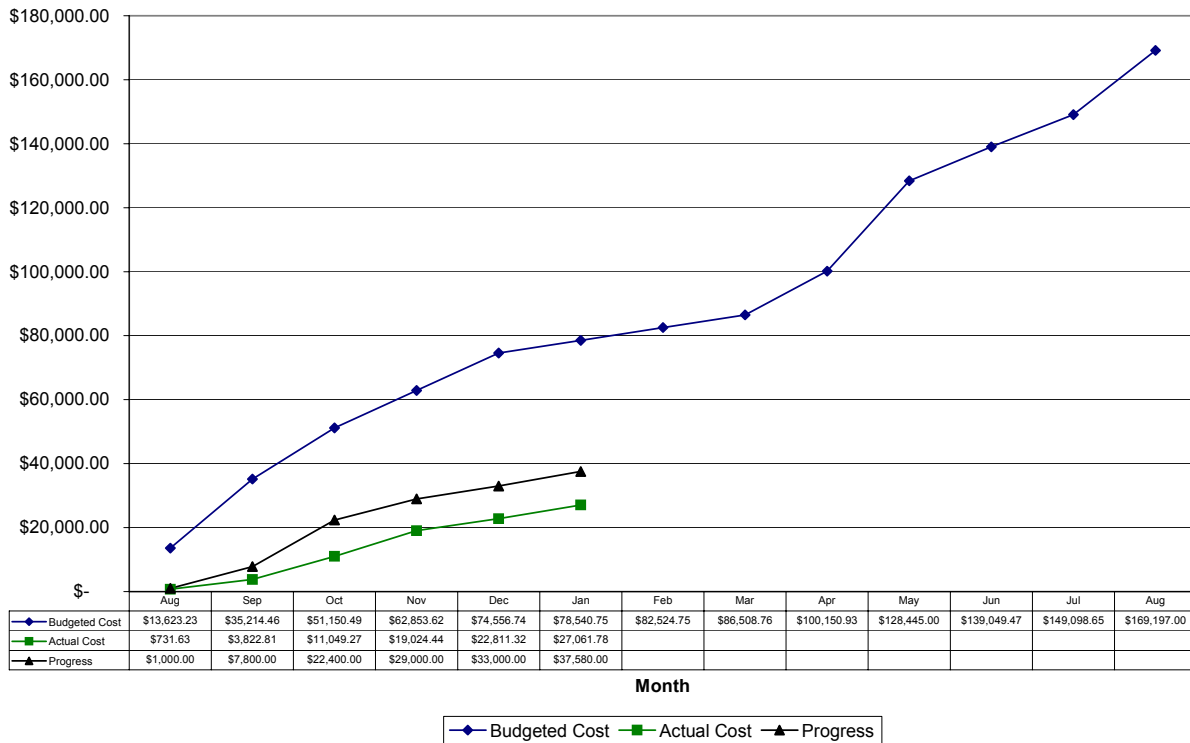
4. Summary of Labor by Key Personnel

Key Personnel	Employer	Hours Expended
Kohli, V.	Fulcrum	53.00
Johnson, W.	Fulcrum	20.00
Rowshan, S.	SAIC	28.00
Yengst, C.	SAIC	4.00

Fulcrum Corporation

5. Contract Progress and Expenditure Charts

FHWA Bridge & Tunnel Security Project



6. Problems

- It is now apparent that the list of tunnel engineers will not be given to Fulcrum Corporation. This is mainly due to a lack of communication between involved parties. However, this is not a critical loss for the project.
- Although communication continues with various organizations regarding site visits, the holiday period and increased terror alert level in the country has made communication more difficult. This caused a delay in visiting the selected sites.

7. Interim Results

- Survey of existing bridge and tunnel surveillance and security systems has been distributed.
- The majority of responses on the survey have been collected and summarized.
- A collection of technology information collected to date has been assembled.