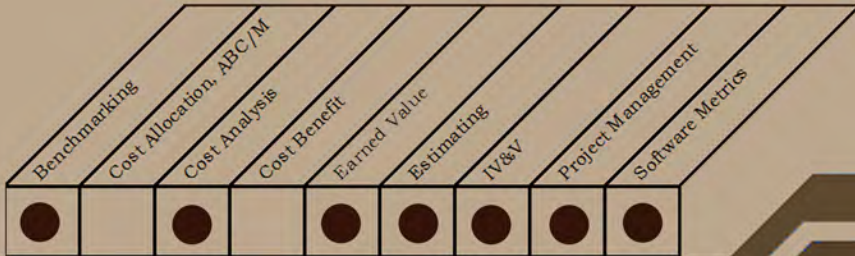




CASE STUDY: Boston Arterial Project

The Boston Arterial Project was a \$19 Billion project. A critical component of that project was IPCS, a software system used to control tolls, road signs, traffic monitoring systems, and tunnel management systems.



SUMMARY

Client Web URL:
www.massdot.state.ma.us/Highway/bigdig/bigdigmain.aspx

Client Size: \$19 Billion; 5,000 employees

Client Market Segments: Transportation



The question isn't who is going to let me; it's who is going to stop me.
Ayn Rand, *The Fountainhead*

CLIENT PROBLEM

We were brought in during the litigation process by the team of Perini/Powell/Bechtel to conduct IV&V over the work of Transdyne on the Integrated Project Control System (IPCS).

PROPOSED SOLUTION

Our efforts included manually reviewing the full suite of software documentation against both ISO/IEEE standards and against industry best practices; preparing independent estimates and earned value analysis, automated analysis of the software code using metrics such as McCabe's Cyclomatic complexity; and manual review of statistical samples of the code for compliance with coding guidelines and industry best practices. We were also responsible for defending his results throughout the mediation process.

RESULTS

Our findings were upheld during litigation.