

**APPROVE ENTERING INTO AN AGREEMENT WITH CAL AMP DATACOM, INC. FOR STUDENT
TRANSPORTATION SERVICES FLEET MANAGEMENT GLOBAL POSITIONING SYSTEM AND
STUDENT TRACKING SYSTEM**

THE CHIEF EXECUTIVE OFFICER REPORTS THE FOLLOWING DECISION:

Approve entering into an agreement with Cal Amp Datacom, Inc. to provide an automatic vehicle location system on all school buses providing transportation services to students attending Chicago Public Schools at a cost not to exceed \$3,000,000.00. Consultant was selected on a competitive basis pursuant

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DELIVERABLES:

Cal Amp Datacom, Inc. will provide a system which will record in real time the following events and

activities on all school bus routes.

A web-based solution hosted on a Board provided server which will be used to collect the data needed.

The collection and analysis of data for a school bus idling reduction study.

- The location and accountability of vehicles assigned to the Board's vehicle fleet in real time.
- Bus stop times, locations, loading/unloading times.
- Locations, speed, and direction (north, south, east or west) between stops at 10 second intervals.
- Entry and exit events from bus yards, fuel depots, districts zones, etc.
- Mileage traveled on individual routes and field trips.
- Speeding events based on pre-defined limits.
- Excessive idling based on pre-defined limits.
- Mapping capabilities (ability to plot actual bus routes on map and determine current position of vehicle).
- Web-based capability (mapping system, reports).
- Open application programming.
- Ability to integrate with our current routing system (ability to execute planned versus actual analysis) or future systems purchased by the Board.
- Geo-fence capabilities.
- Records of student loading/unloading.
- Rider summary (length of time student rode the bus).
- Vehicle diagnostics (battery power, fuel reports, odometer readings).
- Manage by exception reporting.

OUTCOMES:

Consultant's services will result in a system that will assist the Board in managing costs, improving services, and providing a safer environment for transporting students to and from school.

COMPENSATION:

LSC REVIEW:

Local School Council approval is not applicable to this report.

FINANCIAL:

Charge to Department of Operations: \$3,000,000.00

~~The Bureau of Student Transportation Services contract for school bus services (Board Report 05-0707~~

PR18) contains provisions for the owners of all schools buses to purchase a global positioning system (GPS) and a student tracking system. To ensure continuity and standardization of the equipment and software, the vendor agreed to provide CPS up to \$1,500 for each school bus for this equipment. These funds were debited from the vendor's invoice in FY09. Approximately 2,000 school buses are included