Office of the Superintendent of Schools   November 3, 2004
Board Meeting of November 17, 2004

Business Operations
Ofelia San Pedro, Deputy Superintendent

SUBJECT: THAT THE SCHOOL BOARD OF MIAMI-DADE COUNTY,
              FLORIDA, AUTHORIZE THE PURCHASE OF INFORMATION
              TECHNOLOGY SOFTWARE PROGRAMS, NECESSARY
              TRAINING AND LABOR TO REPLACE THE CURRENT CAPITAL
              CONSTRUCTION COMPUTER SYSTEM BY APPROVING THE
              RELEASE OF $1,200,000 ALREADY APPROPRIATED IN THE
              FY 2004-2005 BUDGET VIA ITEM E-44 OF THE MAY 2004
              BOARD MEETING

COMMITTEE: BUSINESS AND FINANCIAL SERVICES

BACKGROUND

Authorization is requested from the School Board to purchase software programs and accompanying services to replace the computer systems currently in use by Capital Construction. This is part of the four-phase plan approved by the School Board in May 2004 and funds have already been appropriated for this project. Below is a recap of the entire project, including an update of current status and description of phases three and four for which this authorization applies.

REPLACEMENT PLAN

If the School Board authorizes the purchase of new software/hardware, Information Technology Services (ITS) will replace the existing 80 extraneous, non-integrated data systems with two main integrated systems, Magellan and Primavera, as well as update all capital drawings to Computer Aided Design (CAD) format. In addition, there are a number of District-owned Contract Management Systems that will also be upgraded to allow staff to track construction projects.

PHASE 1 – Initial implementation of the Magellan system and public web site.
Under this phase all information regarding buildings will be centralized. Building information includes automatic updates from the Department of Education (DOE) Florida Inventory of School Houses (FISH) database, school police information, architectural drawings and an inventory of student workstations. Once fully operational, the system will allow staff to view information about a building through the Internet. Magellan will allow the information to be shared with the community and vendors through the Internet. Magellan has a proven track record and is currently used by Broward and Duval Counties' school districts. *This phase is complete and included all hardware purchases necessary to support the subsequent phases.*

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PHASE 2 – Implementation of the Primavera system.
Primavera is a software program already owned by the district and will be upgraded to the latest version allowing for Internet use and a user-friendly interaction. It is a project tracking software program that can reflect change orders and provide financial information related to construction projects as well as maintain the information required for the Government Accounting Standards Board (GASB 34). *This phase is pending further analysis and definition of business rules. Additionally, an interim solution called Facilities Management System (FMS) was developed and deployed by ITS and Capital staff. FMS is a web based system permitting capital project tracking including status and milestones.*

PHASE 3 – Enhancement of the Magellan system through additional modules.
In this phase, Magellan will be programmed to allow staff to capture survey and inspection data for use in developing the DOE required 5-20 year Capital Construction Plan. This phase will also add a feature allowing staff to identify and track building deficiencies to permit staff to plan maintenance and construction projects more effectively. Included functional enhancements are; integration of 13 Maintenance and Facilities databases, development of a work order system interfaced to COMPASS and development of a code compliance inspection system that includes scheduling.

In tandem with this phase, Capital is planning to upgrade all drawings to Computer Aided Design (CAD) specifications. This software will allow staff to calculate building square footage. This feature is particularly important to old school facilities that currently do not have to CAD drawings. Having these drawings electronically will allow the District to provide accurate information related to the class size reduction amendment. A further benefit of upgrading CAD is that the fire and police departments will have proper building layouts to further ensure the safety of students. *Scope document for Phase 3 forwarded under separate cover.*

PHASE 4 – Upgrade District software programs in the Contract Management area.
The upgrades will provide staff with a more effective method of tracking construction projects from design through contract closeout. *This phase is pending further analysis and definition of business rules.*

COST

Per the IT and Capital Strategic Planning initiative approved by the School Board earlier this year, staff has attempted to identify all costs associated with the upgrades presented on this item:

$3,500,000 – Total cost of all project phases and includes software, hardware, staff training, conversion, contractors and in-house staff time. Timeline for completion of entire project is within 18 months of School Board approval, which was granted in May 2004.

Current budget status is as follows:

$1,300,000 released and expensed on Phase 1, which is complete, and included hardware that provides required infrastructure to all subsequent phases.

$2,200,000 appropriated funds for Phases 2-4 of which this item requests the release of **$1,200,000** for Phase 3 (Phases 2 and 4 are still under analysis and specification revision).

REQUESTED

A $1,200,000 release of previously appropriated funds for this project is recorded in the General Fund and supported by the Capital Outlay Fund of the adopted budget under Fund 0100, Function 7400, Program 9900, Object 5691, Location 9009. The funds will be allocated according to the expense category.

The remaining funds, if approved by the School Board will remain in the 2004-2005 proposed budget.

RECOMMENDED: That The School Board of Miami-Dade County, Florida:

1. authorize the purchase of information technology software programs, and necessary training and labor to replace the current capital construction computer system by approving the release of $1,200,000 already appropriated in FY 2004–2005; and

2. consider maintaining the remaining $1,000,000 in the FY 2004-2005 proposed budget for Phases 2 and 4 of this project to commence later this fiscal year.