

Board Meeting
November 13, 2008

ROLL CALL

AWARD CONTRACTS FOR NATIONAL CENTER FOR SUPERCOMPUTING
APPLICATIONS PETASCALE COMPUTING FACILITY, URBANA

Action: Approve the Award of Contracts for National Center for Supercomputing Applications Petascale Computing Facility, Urbana

Funding: Institutional Funds Operating Budget with Anticipated Reimbursement from State Appropriations or the Proceeds of the Variable-Rate Demand Certificates of Participation (Projects) Taxable Series 2007D

In November 2007, the Board approved the National Center for Supercomputing Applications (NCSA) Petascale Computing Facility with a project budget of \$72.5 million (\$690 construction cost per gross square foot). The project would provide NCSA with a facility to house the Blue Waters (Track 1) Data Processing Center and required utility infrastructure. This new 95,000 gross square foot building will be comprised of offices, storage and loading docks, water-cooled data processing machine rooms, and data processing machine room support.

In September 2008, the Board approved the construction contracts for the first bid package--Phase I which included General, Structural Steel, and Utilities Site Work.

In order to proceed with the project, it is necessary to award construction contracts for the second bid package--Phase II: General, Plumbing, Heating and Air Conditioning, Ventilation, Electrical, Sprinkler, Temperature Control, Drywall, Masonry, and Utilities Site Work. The project is required to be LEED certified with a Silver rating.

Bids for the NCSA Petascale Computing Facility--Phase II construction work have been solicited; and for the project to proceed, the Chancellor at Urbana with the concurrence of the appropriate administrative officers recommends that the following contracts¹ be awarded. Competitive bidding procedures in accordance with the Illinois Procurement Code were followed; and the awards are to the lowest responsible bidder in each division on the basis of its base bid plus acceptance of the indicated alternates²:

Division 1--General Work

Core Construction Services of Illinois, Morton, IL	Base Bid	\$5,646,000
<i>TOTAL</i>		\$5,646,000

¹Contracts for other divisions were awarded that are within the delegated approval levels: Division 6--Sprinkler Work--Automatic Fire Sprinkler, LLC, Normal, IL, \$313,700; and Division 34--Utilities Site Work--Stark Excavating, Inc., Champaign, IL, \$274,100, making a total award of \$24,388,768.

²Description of Alternates: Alt. H1--Furnish and install three fan coil units and corresponding piping and local unitary control; one for each controlled environment room (CER). Alt. H3--Use standard thickness pipe for mechanical piping. Alt. V1--Provide ductwork for three fan coil units. Alt. E1--Provide power connections for three fan coil units. Alt. E2--Provide voice evacuation system. Alt. TC1--Provide three fan coil units with motor current sensing relay for Building Management System (BMS) remote fan status monitoring. Alt. TC2--Provide redundant cooling tower and plant controller with associated Direct Digital Control (DDC) devices. Alt. TC3--Provide redundant chilled water plant controllers and associated DDC devices. Alt. U1--Provide new exterior manhole.

Division 2--Plumbing Work

Davis-Houk Mechanical, Inc., Urbana, IL	Base Bid	\$707,070
<i>TOTAL</i>		\$707,070

Division 3--Heating A/C Work

A & R Mechanical Contractors, Inc., Urbana, IL	Base Bid	\$6,086,000
	Alt. H1	23,000
	Alt. H3	<u>(338,000)</u>
<i>TOTAL</i>		\$5,771,000

Division 4--Ventilation Work

A & R Mechanical Contractors, Inc., Urbana, IL	Base Bid	\$1,412,000
	Alt. V1	<u>6,950</u>
<i>TOTAL</i>		\$1,418,950

Division 5--Electrical Work

Rathje Enterprises, Inc., d/b/a Bodine Electric of Champaign, Champaign, IL	Base Bid	\$7,116,100
	Alt. E1	2,850
	Alt. E2	<u>19,850</u>
<i>TOTAL</i>		\$7,138,800

Division 7--Temperature Control Work

Siemens Building Technologies, Inc., Bloomington, IL	Base Bid	\$1,147,000
	Alt. TC1	4,500
	Alt. TC2	94,200
	Alt. TC3	<u>35,400</u>
<i>TOTAL</i>		\$1,281,100

Division 17--Drywall Work

Carter Construction Services, Inc., Champaign, IL	Base Bid	\$847,300
<i>TOTAL</i>		\$847,300

Division 23--Masonry Work

J. J. Braker & Sons, Inc., Morton, IL	Base Bid	\$990,748
<i>TOTAL</i>		\$990,748

The Board action recommended in this item complies in all material respects with applicable State and federal laws, University of Illinois *Statutes*, *The*

General Rules Concerning University Organization and Procedure, and Board of Trustees policies and directives.

Funds for this construction are available from Institutional Operating Funds Operating Budget with Anticipated Reimbursement from State Appropriations or the Proceeds of the Variable-Rate Demand Certificates of Participation (Projects) Taxable Series 2007D.

The President of the University concurs.

A schedule of the bids received has been filed with the Secretary of the Board for record.

(Construction for the NCSA Petascale Computing Facility--Phase II work will begin in December 2008 and is scheduled to be completed in August 2009.)