Fiscal Year (FY) 2005 Budget Estimates Exhibit R-2, RDT&E Budget Item Justification						Date: February 2004	
Appropriation/Budget Activity RDT&E.DW BA # 2				R-1 Item Nomenclature: **Historically Black Colleges and Universities and Minority Institutions (HBCU/MI) 0602228D8Z**			

Cost ($ in millions)	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
HBCU/MI	25.306	20.651	14.192	14.440	14.710	15.352	15.688	

A. Mission Description and Budget Item Justification:

The Historically Black Colleges and Universities and Minority Institutions (HBCU/MI) program provides infrastructure support in fields of science and engineering that are important to national defense. The DoD Infrastructure Support Program is the only program that encourages participation of small minority schools as well as research institutions. This competitive program provides support through grants or contracts for research, collaborative research, education assistance, instrumentation purchases, and technical assistance. This project competitively supports programs at minority institutions nationwide in following areas:

- Research. The research grants are to further the knowledge in the basic scientific disciplines through theoretical and empirical activities. Collaborative research allows university professors to work directly with military laboratories or other universities.
- Education. Education assistance funds are used by the selected institutions to strengthen their academic programs in science, mathematics, and engineering thereby increasing the number of under-represented minorities obtaining undergraduate and graduate degrees in these fields. These grants provide equipment, scholarships, cooperative work/study opportunities, visiting faculty programs, summer programs, and a variety of other enhancements designed to support students and to encourage them to pursue careers in science, mathematics, and engineering.
- Infrastructure. This program allows the university to purchase from basic laboratory equipment for education program enhancements to highly sophisticated research instruments, such as lasers and spectrometers.
- Technical assistance. These funds are used to design programs to enhance the ability of minority institutions to successfully compete for future Defense funding. The objective is to assist the HBCU/MI community in areas such as proposal writing and

administration of grants and contracts.

B.   Program Change Summary: (Show total funding, schedule, and technical changes for the program element that have occurred since the previous President's Budget Submission)

	FY 2003	FY 2004	FY 2005
Previous President's Budget	25.980	0	0
Current FY 2005 President's Budget	25.306	20.651	14.192
Total Adjustments	-6.74	20.651	14.192
Congressional program reductions			
Congressional rescissions			
Congressional direction		20.958	14.192
Reprogrammings			
SBIR/STTR Transfer			
Other adjustments rescission inflation	-6.74	.307	

C.   Other Program Funding Summary: (None)

D.   Acquisition Strategy.

Fiscal Year (FY) 2005 Budget Estimates Exhibit R-2a, RDT&E Project Justification						February 2004	
Appropriation/Budget Activity RDT&E.DW / BA2				Project Name and Number **Historically Black Colleges and Universities and Minority Institutions (HBCU/MI) 0602228D8Z**			
Cost ($ in millions)	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
HBCU/MI	25.306	20.651	14.192	14.440	14.710	15.352	15.688

A.   Mission Description and Budget Item Justification:

(U)   BRIEF DESCRIPTION OF ELEMENT

   (U)   The Historically Black Colleges and Universities and Minority Institutions (HBCU/MI) program provides infrastructure support in fields of science and engineering that are important to national defense. The DoD Infrastructure Support Program is the only program that encourages participation of small minority schools as well as research institutions. This project competitively supports programs at minority institutions nationwide in following areas:

- Research. The research grants are to further the knowledge in the basic scientific disciplines through theoretical and empirical activities.

- Education. Education assistance funds are used by the selected institutions to strengthen their academic programs in science, mathematics, and engineering thereby increasing the number of under-represented minorities obtaining undergraduate and graduate degrees in these fields.

- Infrastructure. This program allows the university to purchase from basic laboratory equipment for education program enhancements to highly sophisticated research instruments, such as lasers and spectrometers.

- Technical assistance. These funds are used to design programs to enhance the ability of minority institutions to successfully compete for future Defense funding.

B. Accomplishments/Planned Program

(U)   HISTORICALLY BLACK COLLEGES AND UNIVERSITIES AND MINORITY INSTITUTIONS PROGRAM

	FY 2003	FY 2004	FY 2005	
Accomplishment/ Effort/Subtotal Cost	25.306	20.651	14.192	

(U)   FY 2003 Accomplishments:
Continued evaluation of the awards made with prior year funds. Developed and released the second electronic broad agency announcement (BAA) for the HBCU/MI FY 2003 solicitation. Previous years had been hardcopies only, although hardcopies of the announcement were available upon request. The solicitation closed on January 24, 2003. Receipts totaled 43 proposals, 22 to establish long-term centers of excellence and 21 requesting instrumentation or equipment. The solicitation afforded the HBCU/MI community an opportunity to acquire 21 equipment grants to enhance science, mathematics, and engineering (SME) programs and to facilitate the education of students in research areas important to the DoD. Four new Centers for SME Research and Education were established. Two Centers for Research and two Centers for Education. The Centers will be supported for three to five years at approximately $0.8 million per year. Equipment grants are for a twelve-month performance period and will range from $58,000 to $180,000. Twenty five grants were awarded. The Army Research Office and the Air Force Office of Scientific Research will execute the awards.

The FY 2003 program also contains five congressional adds which resulted in two separate BAAs. The FY 2003 DoD Appropriations Act added an additional $3.0 million in the HBCU/MI Program for Tribal Colleges and Universities (TCUs). The Army Research Office was designated manager for the special solicitation and allocated $2.7 million after taxes. The BAA closed on March 21, 2003. Eleven proposals were received. All eleven proposals were judged to be worthy of support and eleven equipment grants to TCUs were made ranging from $76,000 to $400,000 and will have a 12 month performance period. Also, in FY 2003 the DoD Appropriations Act added an additional $5.0 million in the HBCU/MI Program for Hispanic Serving Institutions (HSIs). The Army Research Office issued a separate solicitation in March 2003 for HSIs to compete. The BAA closed on May 30, 2003. The Army Research Office received 23 proposals. A total of 17 awards for instrumentation

and/or equipment were made which will provide enhancements to SME programs at HSIs. The equipment grants range from $108,000 to $400,000 and will have a 12 month performance period.

The other three congressional adds in the FY 2003 program are: (1) Enhanced Skills and Training Program for Electronic Engineering Technology Program; (2) HSI Project Grant; and (3) Technical Assistance Program.

(U) FY 2004/2005 Plans:

Continue evaluation of the awards made with prior year funds. In FY 2004/2005, the HBCU/MI Infrastructure Program will continue to build infrastructure through instrumentation and equipment awards by issuing three separate solicitations; the first one for the Infrastructure Support Program; the second announcement for HSIs, and the third solicitation for TCUs. The objective is to increase the quality of education provided in SME and build HBCU/MIs that currently offer advanced degrees in SME.

C. Other Program Funding Summary: Not Applicable

D. Acquisition Strategy: Not Applicable