

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)							June 2001			
BUDGET ACTIVITY 5 - ENG MANUFACTURING DEV				PE NUMBER AND TITLE 0604220A - Armed, Deployable OH-58D				PROJECT 538		
COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
538 KIOWA WARRIOR LFTE	0	528	2345	0	0	0	0	0	0	0
<p><u>A. Mission Description and Budget Item Justification:</u></p> <p><u>PLEASE NOTE:</u> This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p> <p>Program funding provides static and dynamic Live Fire Test and Evaluation (LFT&E) for the Kiowa Warrior Mast Mounted Sight (MMS) and Main Rotor Blades (MRB). There will be additional quasi-static testing performed on the MRBs. The ballistic testing, required by Title X, US Code 2366, was documented in the Kiowa Warrior Live Fire Independent Evaluation Plan/Test Design Plan (IEP/TDP) dated February 1999, and approved by the Deputy Under Secretary of the Army, Operations Research (DUSA (OR)) and the Director, Operational Test and Evaluation (DOTE). LFT&E has not been conducted on the Kiowa Warrior to date because it had predated the statutory requirements. To complete the dynamic portion of the LFT&E, a ground test vehicle (GTV) will be assembled. The GTV will consist of fully functional but non-flightworthy airframe and engine parts. No radios, or working mission equipment will be installed. Only essential flight instruments will be installed for safe ground operations. Plywood mock-ups or empty black boxes will be used in place of mission equipment. The MMS static testing will be conducted with the MMS attached to a maintenance stand. The dynamic testing will be conducted with the MMS fastened on the GTV operating at 100% rotor speed. The quasi-static MRB testing will be conducted while various loads are applied to the blade specimens. Each test shot defined in the IEP/TDP will vary from caliber 7.62mm to 30 mm. All testing will occur on a controlled range at Aberdeen Proving Grounds, MD.</p> <p>This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).</p> <p><u>FY 2000 Accomplishments</u></p> <p style="padding-left: 40px;">Project not funded in FY 2000.</p>										

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BUDGET ACTIVITY

5 - ENG MANUFACTURING DEV

PE NUMBER AND TITLE

0604220A - Armed, Deployable OH-58D

PROJECT

538

FY 2001 Planned Program

- 468 Developmental/Operational Test & Analysis
- 11 Battle Damage Assessment
- 33 Government Furnished Equipment (GFE)
- 16 Small Business Innovative Research/Small Business Technology Transfer (SBIR/STTR)

Total 528

FY 2002 Planned Program

- 1106 Development/Operational Test & Analysis
- 11 Battle Damage Assessment
- 1228 Mock-up Cost

Total 2345

<u>B. Program Change Summary</u>	FY 2000	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY2001 PB)	0	532	2335	0
Appropriated Value	0	532	0	0
Adjustments to Appropriated Value	0	0	0	0
a. Congressional General Reductions	0	0	0	0
b. SBIR / STTR	0	0	0	0
c. Omnibus or Other Above Threshold Reductions	0	0	0	0
d. Below Threshold Reprogramming	0	0	0	0
e. Rescissions	0	-4	0	0
Adjustments to Budget Years Since FY2001 PB	0	0	10	0
Current Budget Submit (FY 2002/2003 PB)	0	528	2345	0

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<u>C. Other Program Funding Summary</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Compl	Total Cost
APA AZ2200 - Kiowa Warrior	41940	41531	42600	0	0	0	0	0	0	0
<p><u>D. Acquisition Strategy:</u> Test planning and actual testing will be conducted by Army Research Laboratories (ARL) and by Bell Helicopter Textron, Inc. Test results will be analyzed by ARL, the Army Test and Evaluation Center (ATEC), the Evaluation Analysis Center (EAC), and contractors. The US Army Aviation Logistics School (USAALS) will perform battle damage assessment and both Bell Helicopter and Boeing will provide support for the planning, testing and analysis efforts.</p>										
<u>E. Schedule Profile</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		
Test - Phase I (Static shots)		1-4Q	1-4Q	0	0	0	0	0		
Test - Phase II (Dynamic shots)			4Q	0	0	0	0	0		

ARMY RDT&E COST ANALYSIS(R-3)									June 2001			
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I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
			0	0		0		0		0	0	0
Subtotal:												
II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
			0	0		0		0		0	0	0
Subtotal:												
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Test Planning & Analysis	MIPR	ARL OPTEC/EAC, ABERDEEN, MD	0	314	1-2Q	167	1Q	0	0	0	0	0
b . Hardware Cost Assembly	MIPR	OLR, KILLEEN, TX	0	33	1Q	1228	1Q	0	0	0	0	0
c . Bell Helicopter	SS/CPFF	FORT WORTH, TX	0	0		950	1Q	0	0	0	0	0
d . Boeing	SS/CPFF	Annaheim, CA	0	181	1Q	0		0	0	0	0	0

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III. Test and Evaluation (continued)	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
			0	528		2345		0		0	0	0
Subtotal:												
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
			0	0		0		0		0	0	0
Subtotal:												
Project Total Cost:			0	528		2345		0		0	0	0