	RDT&E BUDGET ITEN	/ JUSTI	FICATI	ON SH	EET (R	-2 Exhi	bit)		DATE	February	y 2003
	ET ACTIVITY  System Development and Demons	stration (	SDD)	•	UMBER AND <b>4604F</b>	o title Submun	itions				PROJECT <b>3166</b>
	COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
3166	Joint Smart Munitions Test and Evaluation	4,506	4,588	4,717	4,837	5,459	5,639	5,720	5,797	Continuing	TBD
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0
(U)	A. Mission Description  This PE provides support for smart munitions ar manufacturing development. Project 3166 is a j programs. Project 3166 (project Chicken Little)	oint US Air	Force/US A	rmy projec	t which pro	vides RDT	&E support	for develop	omental sma	art munitions	s acquisition

Theater Air Defense units by determining performance against actual foreign targets in realistic environments and in the presence of countermeasures. Data gathered is used to meet developmental decision points requiring highly reliable, realistic performance data. The project is a major focal point for joint Air Force and Army target signature collection and dissemination for development and exploitation purposes. The program provides best value test and evaluation support for submunition development and weaponization studies and modeling and simulation capabilities to augment a limited number of measurement and open air tests of smart weapons

### FY 2002 (\$ in Thousands)

and related technologies.

(U) \$		Accomplishments/Planned	Program
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(U)\$1.055 Continue weapon effectiveness evaluation and weaponization studies

\$665 Develop, validate, and accredit improved models and simulation for assessment of alternatives and force on force studies \$253 Increase utility of lethality/vulnerability and signature database through addition of modern threat systems and secure datalink \$1,175

Plan and conduct captive carry flight tests and signature collection for seeker/sensor evaluations and algorithm development

\$582 Characterize performance of advanced and programmable warheads to determine the potential for increasing lethality of weapons (U)

(U) \$776 Perform vulnerability analysis of upgraded/advanced Suppression of Enemy Air Defense (SEAD) and Advanced Hardened Targets (AHT)

\$4,506 Total

### FY 2003 (\$ in Thousands)

(U) \$0 Accomplishments/Planned Program

(U)\$1,413 Continue weapon effectiveness evaluation and weaponization studies

\$468 Develop, validate, and accredit improved models and simulation for assessment of alternatives and force on force studies (U)

\$397 Increase utility of lethality/vulnerability and signature database through addition of modern threat systems and secure datalink

Project 3166 Page 1 of 5 Pages Exhibit R-2 (PE 0604604F)

	RDT&E BUDGET ITEM JUSTIFICATI	DATE <b>Febru</b>	ary 2003		
	SET ACTIVITY  System Development and Demonstration (SDD)	PE NUMBER AND TITLE  0604604F Submuni	tions	•	PROJECT <b>3166</b>
(U)	A. Mission Description Continued				
(U) (U) (U) (U) (U)	FY 2003 (\$ in Thousands) Continued \$1,016 Plan and conduct captive carry flight tests and si \$531 Characterize performance of advanced and progr \$763 Perform vulnerability analysis of upgraded/advantages, \$4,588 Total	rammable warheads to access potent	ial for increasing l	ethality of weapons	urgets (AHT)
	FY 2004 (\$ in Thousands)  \$0 Accomplishments/Planned Program  \$1,455 Continue weapon effectiveness evaluation and w \$439 Develop, validate, and accredit improved models  \$425 Increase utility of lethality/vulnerability and sign  \$1,182 Plan and conduct captive carry flight tests and si  \$478 Characterize performance of advanced and programs  \$738 Perform vulnerability analysis of upgraded/advantages  \$4,717 Total	s and simulation for assessment of a nature database through addition of a gnature collection for seeker/sensor rammable warheads to access potential	modern threat syste evaluations and al ial for increasing l	ems and secure datalink gorithm development ethality of weapons	
( <b>U</b> )	B. Budget Activity Justification This program is funded in BA 5 - System Demonstration and Developm	nent (SDD) because it supports deve	elopment programs	s prior to full rate produ	ction decision.
( <b>U</b> )	C. Program Change Summary (\$ in Thousands)	FY 2002	FY 2003	FY 2004	Total Co
(U) (U) (U)	Previous President's Budget Appropriated Value Adjustments to Appropriated Value a. Congressional/General Reductions b. Small Business Innovative Research c. Omnibus or Other Above Threshold Reprogram d. Below Threshold Reprogram e. Rescissions Adjustments to Budget Years Since FY 2003 PBR	4,761 4,809 -48 -155 -78 -22	4,739 4,739 4,739 -100 -51	4,822	TBI
Ì	roject 3166	Page 2 of 5 Pages			? (PE 0604604F)

	RDT&E BUDGET ITEM JUSTIFICATION	ON SI	IEET (F	R-2 Exhib	oit)	DA	TE <b>Fe</b> l	bruary 2	2003
=	SET ACTIVITY System Development and Demonstration (SDD)		NUMBER A <b>04604F</b>	ND TITLE <b>Submuni</b>	tions				PROJECT 3166
(U)	C. Program Change Summary (\$ in Thousands) Continued			FY 2002	FY 2003	FY	2004		Total Co
(U)	Current Budget Submit/FY 2004 PBR			4,506	4,588		,717		TBI
(U)	Significant Program Changes: None								
		FY 2005 Estimate	FY 2006 Estimate		FY 2008 Estimate	FY 2009 Estimate	<u>Cos</u> <u>Comp</u>		<u>Total Co</u>
(U)	E. Acquisition Strategy Funds are executed organically in support of test and evaluation activitie contracts supporting the program office.	es includin	g studies, a	nalyses, flight	tests, model b	uilding and si	mulation.	There are	several smal
(U)	F. Schedule Profile								
			FY 2002 2 3	4	<u>FY 20</u>	<u>03</u> 3 4	1	<u>FY 20</u>	<u>04</u> 3 4
(U)	Ongoing Activity Project 3166, Joint Smart Munition Test and Evaluation Program (Project Chicken Little is a continuing test effort (target/warhead evaluation/analythrough the FYDP). This project is also funded by the Army and other Sturation and level of effort is decided at the annual Steering Committee	ysis, signa Services o	* *  n Little) doe  nture tests, o	* ses not execute captive carry f	light tests, are	X X with establish ongoing throu	X led acquis lighout the	year and o	X X tones.
Р	roject 3166	Page 3 o	f 5 Pages				Exhibit	: R-2 (PE	0604604F)

	RDT&E PROG	RAM ELE	MENT/P	ROJECT C	OST B	REAKDO	WN (R-3)		DATE <b>F</b>	ebruary 2	003
	et activity <b>System Developmen</b>	t and Demo	nstration	(SDD)	-	ER AND TITLE  O4F Subm	unitions			-	PROJECT <b>3166</b>
(U)	A. Project Cost Breakdown	(\$ in Thousan	ds)								
							FY ?		FY 20		FY 2004
(U)	Program Support							500	52	25	550
(U)	Target Support							702	80	00	825
(U)	Warhead Range Operations	S						269	18	88	122
(U)	Captive Flight Tests						1,	,050	90	00	1,045
(U)	Database Support (MILES)	)						223	35	50	375
(U)	Vulnerability/Effectiveness	Analysis						691	6	75	650
(U)	Warhead Evaluation							248	28	85	300
(U)	Target Signature Tests							233	4:	50	460
(U)	Models and Simulation Too	ols						590	4	15	390
(U)	Total						4.	,506	4,5	88	4,717
( <b>U</b> )	B. Budget Acquisition Histo	ry and Plannin	g Informatio	n (\$ in Thousan	ds)						
(U)	Performing Organizations:										
	Contractor or	Contract									
	Government	Method/Type	Award or	<b>Performing</b>	<b>Project</b>						
	<u>Performing</u>	or Funding	<b>Obligation</b>	<u>Activity</u>	<u>Office</u>	<b>Total Prior</b>	<b>Budget</b>	<b>Budget</b>	Budget	Budget to	<u>Total</u>
	Activity	<u>Vehicle</u>	<u>Date</u>	EAC	<u>EAC</u>	to FY 2002	FY 2002	FY 2003	FY 2004	Complete	<u>Program</u>
	Product Development Organi	zations								-	
	None										
	Support and Management Or	ganizations									
	Sverdrup	C/CPIF	Jun 01	N/A	N/A	10,408	1,325	342	379	Continuing	TBD
	Macaulay Brown/ANSTEC	C/FFP	Apr 00	N/A	N/A	1,428	282	231	267	Continuing	TBD
	46 OG/OGML	N/A	Annual	N/A	N/A	6,138	218	225	259	Continuing	TBD
	Test and Evaluation Organiza	tions								_	
	46 OG/OGML		Annual	N/A	N/A	69,510	2,681	3,790	3,812	Continuing	TBD
Pr	oject 3166			Pag	ge 4 of 5 Pag	ges			Exhil	oit R-3 (PE 0	0604604F)

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)									DATE <b>February 2003</b>		
SUDGET ACTIVITY <b>95 - System Develop</b>	PE NUMBER AND TITLE  - System Development and Demonstration (SDD)  PE NUMBER AND TITLE  0604604F Submunitions								ROJECT 166		
U) Government Furnishe  Item	ed Property: <u>Contract</u> <u>Method/Type</u> <u>or Funding</u>	Award or Obligation	<u>Delivery</u>	<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	Budget to	<u>Tota</u>		
Description	<u>Vehicle</u>	<u>Date</u>	<u>Date</u>	to FY 2002	FY 2002	FY 2003	FY 2004	<b>Complete</b>	<u>Progra</u>		
Product Development I	Property										
Not Applicable Support and Management	N/A ent Property	N/A	N/A	0	0	0	0	0	(		
Not Applicable <u>Test and Evaluation Pro</u>	N/A	N/A	N/A	0	0	0	0	0	(		
Not Applicable	N/A	N/A	N/A	0 <u>Total Prior</u>	0 <u>Budget</u>	0 <u>Budget</u>	0 <u>Budget</u>	0 Budget to	( <u>Tota</u>		
Subtotals				to FY 2002	FY 2002	FY 2003	FY 2004	<b>Complete</b>	<u>Progra</u>		
Subtotal Product Devel	opment			0	0	0	0	0			
Subtotal Support and M	Ianagement			17,974	1,825	798	905	TBD	TBI		
Subtotal Test and Evalu	ation			69,510	2,681	3,790	3,812	TBD	TB		
Total Project				87,484	4,506	4,588	4,717	TBD	TB		
Project 3166				Page 5 of 5 Pages			Exhib	it R-3 (PE 06	04604F		