#### CLASSIFICATION:

CLASSIFICATION:										
EXE	DATE:									
	FEBRUARY 2005									
APPROPRIATION/BUDGET ACTIVITY		PROGRAM E	LEMENT NU	MBER AND	NAME	PROJECT N	UMBER AN	ID NAME:		
RDT&E, N /BA-4 Advanced Component Dev. and Pro	totypes	0603611M Ma	arine Corps A	<b>B0020</b> Expe	ditionary Fig	ghting Vehic				
									Cost to	Total
COST (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Program
B0020 EXPEDITIONARY FIGHTING VEHICLE (EFV)	231.948	243.058	253.675	187.456	170.978	93.603	52.191	14.867	Cont	Cont
Quantity of RDT&E Articles	4									

#### (U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The Expeditionary Fighting Vehicle (EFV) Program will field a successor to the Marine Corps' current amphibious vehicle, the Assault Amphibious Vehicle Model 7A1 (AAV7A1). The EFV will provide the principal means of tactical surface mobility for the Marine Air Group Task Force (MAGTF) during both ship-to-objective maneuvers and sustained combat operations ashore as part of the Navy and Marine Corps concepts within the Expeditionary Maneuver Warfare capstone. The EFV will provide the Marine Corps with the capability to execute the full spectrum of military missions from humanitarian operations to conventional combat operations. The EFV replaces the AAV7A1 Vehicle, which was originally fielded in the early 1970s. The EFV is a self-deploying, high-water speed, amphibious, armored, tracked vehicle capable of operating in all weather as well as Nuclear, Biological, and Chemical (NBC) environments.

The EFV program is a ACAT-1D program managed by the Marine Corps. The EFV is the next generation of Marine Corps Assault Vehicles being developed to satisfy the requirements of the 21st Century Marine War fighters. Along with the Landing Craft Air Cushion (LCAC) and the MV-22 Osprey, the EFV will provide the Marine Corps with the tactical mobility assets required to spearhead the concepts within the Expeditionary Maneuver Warfare capstone. Acquisition of the EFV is critical to the Marine Corps. The total EFV requirement is for 1,013 weapon systems. The EFV program remains the Marine Corps number one priority ground system acquisition.

The program received approval to enter the Systems Development and Demonstration (SDD) Phase (formerly Engineering and Manufacturing Development) of the acquisition process during the Milestone II Defense Acquisition Board Readiness Meeting held on 26 November 2000. All program exit criteria were successfully met or exceeded. The SDD Phase (2001 through 2007) will include validation of manufacturing and production processes, fabrication and testing of SDD vehicles, and finalizing and implementing the Life Cycle Management for EFV.

#### (U) B. ACCOMPLISHMENTS/PLANNED PROGRAM:

COST (\$ in Millions)	FY2004	FY2005	FY2006	FY2007
Accomplishment/Effort Subtotal Cost	192.345	192.595	206.109	155.889
RDT&E Articles Qty	4			

(U) Fabrication of SDD phase prototypes. Design development. Developmental Testing. Survivability Program. SDD prototype shakedown testing. Regenerative Filtration Technology, FLIR Thermal Imager, and MK46/FLIR Upgrade Congressional Adds.

FY04: Continue design development, manufacturing planning, and producibility design enhancements of the EFV(Personnell variant) and EFV(Communications variant) designs. Continue the EFV survivability program. Continue fabrication and delivery of SDD prototypes.

FY05: Continue design development, manufacturing planning, and producibility design enhancements of the EFV(P) and EFV(C) designs. Continue the EFV survivability program. Complete fabrication and delivery of SDD prototypes. Perform tasks for FLIR Thermal Imager, Regenerative Filtration Technology, and the MK 46 Weapons Systems/FLIR upgrade.

FY06: Continue design development, manufacturing planning, and producibility design enhancements of the EFV(P) and EFV(C) designs. Continue the EFV survivability program. Support Development Testing (DT) and Reliability/Availability/Maintainability (RAM) testing, support MS C Operational Assessment (OA); review and analyze OA results; process, design, and incorporate modifications identified. Procurement of test spares. Refurbishment of SDD vehicles. Development of Integrated Electronic Technical Manuals (IETMs).

FY07: Continue design development, manufacturing planning, and producibility design enhancements of the EFV(P) and EFV(C) designs. Continue the EFV survivability program. Continue test support and design, integration and testing of MS C OA identified modifications. Continue development of Integrated Electronic Technical Manuals (IETMs).

#### **CLASSIFICATION:**

EXHIBIT R-2	a, RDT&E Project Justification		DATE:			
			I	FEBRUARY 2005		
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAMI	PROGRAM ELEMENT NUMBER AND NAME PROJECT NUMBER AN				
RDT&E, N /BA-4 Advanced Component Dev. and Prototypes	0603611M Marine Corps Assault Vehicles	B0020 Exp	0020 Expeditionary Fighting Vehicle (EFV)			
COST (\$ in Millions)	FY2004	FY2005	FY2006	FY2007		
Accomplishment/Effort Subtotal Cost	4.930	6.527	7.578	8.007		
RDT&E Articles Qty						
(U) Continue to provide in-house technical support.						
COST (\$ in Millions)	FY2004	FY2005	FY2006	FY2007		
Accomplishment/Effort Subtotal Cost	6.188	5.632	6.090	5.952		
RDT&E Articles Qty						
(U) Continue to provide program support to coordinate and upd	ate program planning, program analysis, and prog	ram execution.	<u>.</u>			
COST (\$ in Millions)	FY2004	FY2005	FY2006	FY2007		
· · · · · · · · · · · · · · · · · · ·	11.070	20.611	14.895	0.000		
Accomplishment/Effort Subtotal Cost						
RDT&E Articles Qty						
(U) Develop training courseware, devices and simulators.						

FY04: Initiate development of EFV training devices/simulators. Continue development of EFV training courseware.

FY05: Continue development of EFV training devices/simulators. Continue development of EFV training courseware.

FY06: Complete development of EFV training devices/simulators and EFV training courseware.

COST (\$ in Millions)	FY2004	FY2005	FY2006	FY2007
Accomplishment/Effort Subtotal Cost	17.415	17.693	19.003	17.608
RDT&E Articles Qty				

# (U) Ballistic Testing. DT/OT. RAM-D Testing. EOA

FY04: Continue DT of SDD prototypes. Continue Lethality Testing of MK-46 weapon station.

FY05: Conduct Component Ballistic Testing. Continue DT of SDD prototypes. Complete Lethality Testing of MK-46 weapon station.

FY06: Conduct P Variant Controlled Damaged Testing. Continue DT of SDD prototypes. Conduct Operational Testing.

FY07: Conduct C Variant Controlled Damaged Testing. Continue DT of SDD prototypes. Conduct Operational Testing. Conduct full up system Level Live Fire Testing.

### CLASSIFICATION:

	EXHIBIT R-2a	, RDT&E Proje	ct Justification					DATE:	EBRUARY 20	005
APPROPRIATION/BUDG RDT&E, N /BA-4 Advan	GET ACTIVITY ced Component Dev. and Prototypes		ELEMENT NUM			PROJECT NU B0020 Exped		D NAME:		
		•	FY20	04	FY20	005	FY20	006	FY20	007
(U) Total \$			231.94	48	243.0	58	253.6	575	187.4	156
(U) PROJECT CHANG	E SUMMARY:			•						
` '			FY 2004	FY 2005	FY 2006	FY 2007				
(U) FY 2005 President's	Budget:		237.893	236.969	181.755	161.571				
(U) Adjustments from the	President's Budget:									
(U) Congressional Un	distributed Reductions			-2.611						
(U) Congressional Re										
(U) Congressional Pro	ogram Adjustments			8.700						
(U) Inflation/Pricing A	Adjustments		-0.221		1.798	2.055				
(U) SBIR/STTR Tran	sfer		-5.605							
(U) Sponsor/FMB/BS	O Program Adjustments				70.122	23.830				
(U) Execution Adjusts			-0.119							
(U) FY 2006 President's	9		231.948	243.058	253.675	187.456				
CHANGE SUMMA (U) Funding:	RY EXPLANATION:									
	FY 2005 net increase of \$6.089M reflects in MK46/FLIR Upgrade \$1.000M; and a decrease of \$71.920M reflects design development associated with a charmiscellaneous pricing and technical adjust	rease for Congress and increase of \$ nge in budget prod	sional Undistribut 61.798m for inflat	ted Reductions ion; an increas	s of \$2.611M. se of \$73.277	M in program	adjustments	s to support c	continued testing	
	FY 2007 net increase of \$25.885 reflects a design development associated with a chan	n increase of \$2.0				1 0	3		C	nd
(U) Schedule:	FY 2007 net increase of \$25.885 reflects a design development associated with a chan miscellaneous pricing and technical adjustr The EFV program schedule is adjusted to radditional time prior to MS C, prototype te for early FY 07, and IOC in FY 10.	n increase of \$2.0 ge in budget proc ments. reflect the rephasin	urement profile was of procuremen	which delayed let	MS S/LRIP b	y one year; ar	nd a program C delay and	a two year IC	\$3.155M for DC delay. During	ng the
(U) Technical:	FY 2007 net increase of \$25.885 reflects a design development associated with a chan miscellaneous pricing and technical adjustr The EFV program schedule is adjusted to radditional time prior to MS C, prototype te for early FY 07, and IOC in FY 10.  Not Applicable	n increase of \$2.0 ge in budget proc ments. reflect the rephasin	urement profile was of procuremen	which delayed let	MS S/LRIP b	y one year; ar	nd a program C delay and	a two year IC	\$3.155M for DC delay. During	ng the
(U) Technical: (U) C. OTHER PROGR	FY 2007 net increase of \$25.885 reflects a design development associated with a chan miscellaneous pricing and technical adjustr. The EFV program schedule is adjusted to radditional time prior to MS C, prototype te for early FY 07, and IOC in FY 10.  Not Applicable  RAM FUNDING SUMMARY:	n increase of \$2.0 ge in budget procuents. reflect the rephasis sting, LRIP vehic	urement profile was of procurementle design and Life	which delayed l t funding whice e Cycle Manag	MS S/LRIP beh involved a gement efforts	y one year; ar one year MS s will continue	ond a program C delay and e. MS C is s	a two year IO	\$3.155M for OC delay. Durin Sep 06, LRIP c	ng the ontract award
(U) Technical: (U) C. OTHER PROGR Line Item No. & N	FY 2007 net increase of \$25.885 reflects a design development associated with a chan miscellaneous pricing and technical adjustr. The EFV program schedule is adjusted to radditional time prior to MS C, prototype te for early FY 07, and IOC in FY 10.  Not Applicable  RAM FUNDING SUMMARY:  Name  FY20	n increase of \$2.0 ge in budget procuents. reflect the rephasis sting, LRIP vehic	urement profile was of procurement le design and Life FY2006	which delayed be trunding whice Cycle Manage	MS S/LRIP beh involved a gement efforts	y one year; ar one year MS s will continue FY 2009	C delay and e. MS C is s	a two year IO cheduled for FY 2011	\$3.155M for  OC delay. Durin  Sep 06, LRIP c  To Compl	ng the ontract award Total Cos
(U) Technical: (U) C. OTHER PROGR Line Item No. & N (U) PANMC, BLI #147500	FY 2007 net increase of \$25.885 reflects a design development associated with a chan miscellaneous pricing and technical adjustr. The EFV program schedule is adjusted to radditional time prior to MS C, prototype te for early FY 07, and IOC in FY 10.  Not Applicable  RAM FUNDING SUMMARY:  Name  0, EFV  FY20	n increase of \$2.0 ge in budget procuents. reflect the rephasis sting, LRIP vehic poly and procuent of the rephasis sting, LRIP vehic poly and procuent of the rephasis sting and procuent of the rephasis still and procuent of t	urement profile wang of procurementle design and Life  FY2006  5.738	which delayed but funding whice Cycle Manage FY2007 9.504	MS S/LRIP beh involved a gement efforts  FY2008 28.730	y one year; ar one year MS s will continue FY 2009 14.875	C delay and e. MS C is s  FY 2010 15.631	a two year IC cheduled for FY 2011 16.030	\$3.155M for  OC delay. Durin Sep 06, LRIP c  To Compl 541.770	ng the ontract award Total Cos 634.742
(U) Technical: (U) C. OTHER PROGR Line Item No. & M (U) PANMC, BLI #147500 (U) PMC BA2, BLI #2022	FY 2007 net increase of \$25.885 reflects a design development associated with a chan miscellaneous pricing and technical adjustr. The EFV program schedule is adjusted to radditional time prior to MS C, prototype te for early FY 07, and IOC in FY 10.  Not Applicable RAM FUNDING SUMMARY:  Name  0, EFV  00, EFV  97.	n increase of \$2.0 ge in budget procuents. reflect the rephasis sting, LRIP vehic 004 FY2005	urement profile was of procurement le design and Life FY2006 5.738 30.359	t funding whice e Cycle Manag FY2007 9.504 255.983	MS S/LRIP beh involved a gement efforts  FY2008 28.730 267.587	y one year; ar one year MS s will continue FY 2009 14.875 410.452	C delay and e. MS C is s  FY 2010 15.631 624.815	a two year IC cheduled for FY 2011 16.030 1,133.207	\$3.155M for  OC delay. Durin Sep 06, LRIP c  To Compl 541.770 6,610.729	ng the ontract award Total Cos 634.742 9,482.824
(U) Technical: (U) C. OTHER PROGR Line Item No. & N (U) PANMC, BLI #147500 (U) PMC BA2, BLI #2022 (U) PMC BA7 (Spares), Bl	FY 2007 net increase of \$25.885 reflects a design development associated with a chan miscellaneous pricing and technical adjustr. The EFV program schedule is adjusted to radditional time prior to MS C, prototype te for early FY 07, and IOC in FY 10.  Not Applicable  AM FUNDING SUMMARY:  Name  0, EFV  - 00, EFV  1, 1700000, EFV	n increase of \$2.0 ge in budget procuents. reflect the rephasis sting, LRIP vehic  004 FY2005 2.464 195 52.497	urement profile was ag of procurement le design and Life FY2006 5.738 30.359 0.000	t funding whice Cycle Manage  FY2007 9.504 255.983 9.708	FY2008 287.587 8.456	y one year; ar one year MS s will continue FY 2009 14.875 410.452 12.404	C delay and e. MS C is s  FY 2010 15.631 624.815 17.359	r decrease of a two year IO cheduled for FY 2011 16.030 1,133.207 47.048	\$3.155M for  OC delay. During Sep 06, LRIP comples 541.770 6,610.729 362.718	Total Cos 634.74; 9,482.82; 457.69;
(U) Technical: (U) C. OTHER PROGR Line Item No. & N (U) PANMC, BLI #147500 (U) PMC BA2, BLI #2022 (U) PMC BA7 (Spares), BI (U) PMC, E	FY 2007 net increase of \$25.885 reflects a design development associated with a chan miscellaneous pricing and technical adjustr. The EFV program schedule is adjusted to radditional time prior to MS C, prototype te for early FY 07, and IOC in FY 10.  Not Applicable  AM FUNDING SUMMARY:  Name  0, EFV  - 00, EFV  1, 1700000, EFV	n increase of \$2.0 ge in budget procuents. reflect the rephasis sting, LRIP vehic  004 FY2005 2.464 195 52.497	urement profile was ag of procurement le design and Life FY2006 5.738 30.359 0.000	t funding whice e Cycle Manag FY2007 9.504 255.983	MS S/LRIP beh involved a gement efforts  FY2008 28.730 267.587	y one year; ar one year MS s will continue FY 2009 14.875 410.452	C delay and e. MS C is s  FY 2010 15.631 624.815 17.359	a two year IC cheduled for FY 2011 16.030 1,133.207	\$3.155M for  OC delay. Durin Sep 06, LRIP c  To Compl 541.770 6,610.729	Total Cos 634.74: 9,482.82: 457.69: 10,482.28
(U) Technical: (U) C. OTHER PROGR Line Item No. & M (U) PANMC, BLI #147500 (U) PMC BA2, BLI #2022 (U) PMC BA7 (Spares), BI (U) PMC, E (U) MILCON P-038	FY 2007 net increase of \$25.885 reflects a design development associated with a chan miscellaneous pricing and technical adjustr. The EFV program schedule is adjusted to radditional time prior to MS C, prototype te for early FY 07, and IOC in FY 10.  Not Applicable  AM FUNDING SUMMARY:  Name  0, EFV  - 00, EFV  1, 1700000, EFV	n increase of \$2.0 ge in budget procuents. reflect the rephasis sting, LRIP vehic  004 FY2005 2.464 195 52.497	urement profile was ag of procurement le design and Life FY2006 5.738 30.359 0.000	t funding whice Cycle Manage  FY2007 9.504 255.983 9.708	FY2008 28.730 267.587 8.456 276.043	y one year; ar one year MS s will continue FY 2009 14.875 410.452 12.404	C delay and e. MS C is s  FY 2010 15.631 624.815 17.359	r decrease of a two year IO cheduled for FY 2011 16.030 1,133.207 47.048	\$3.155M for  OC delay. During Sep 06, LRIP comples 541.770 6,610.729 362.718	Total Cos 634.74: 9,482.82: 457.69: 10,482.28: 0.000
(U) Technical: (U) C. OTHER PROGR Line Item No. & N (U) PANMC, BLI #147500 (U) PMC BA2, BLI #2022 (U) PMC BA7 (Spares), BI (U) PMC, E (U) MILCON P-038 (U) MILCON P-042	FY 2007 net increase of \$25.885 reflects a design development associated with a chan miscellaneous pricing and technical adjustr. The EFV program schedule is adjusted to radditional time prior to MS C, prototype te for early FY 07, and IOC in FY 10.  Not Applicable  AM FUNDING SUMMARY:  Name  0, EFV  - 00, EFV  1, 1700000, EFV	n increase of \$2.0 ge in budget procuents. reflect the rephasis sting, LRIP vehic  004 FY2005 2.464 195 52.497	urement profile was ag of procurement le design and Life FY2006 5.738 30.359 0.000	FY2007 9.504 255.983 9.708 265.691	FY2008 28.730 267.587 8.456 276.043	y one year; ar one year MS s will continue FY 2009 14.875 410.452 12.404	C delay and e. MS C is s  FY 2010 15.631 624.815 17.359	r decrease of a two year IO cheduled for FY 2011 16.030 1,133.207 47.048	\$3.155M for  OC delay. Durir Sep 06, LRIP c  To Compl 541.770 6,610.729 362.718 7,515.217	Total Cos 634.74: 9,482.82: 457.69: 10,482.28' 0.000 22.610
(U) Technical: (U) C. OTHER PROGR Line Item No. & M (U) PANMC, BLI #147500 (U) PMC BA2, BLI #2022 (U) PMC BA7 (Spares), BI (U) PMC, E (U) MILCON P-038 (U) MILCON P-042 (U) MILCON P-041	FY 2007 net increase of \$25.885 reflects a design development associated with a chan miscellaneous pricing and technical adjustr. The EFV program schedule is adjusted to radditional time prior to MS C, prototype te for early FY 07, and IOC in FY 10.  Not Applicable  AM FUNDING SUMMARY:  Name  0, EFV  - 00, EFV  1, 1700000, EFV	n increase of \$2.0 ge in budget procuents. reflect the rephasis sting, LRIP vehic  004 FY2005 2.464 195 52.497	urement profile was ag of procurement le design and Life FY2006 5.738 30.359 0.000	FY2007 9.504 255.983 9.708 265.691	FY2008 28.730 267.587 8.456 276.043 - 22.610	y one year; ar one year MS s will continue FY 2009 14.875 410.452 12.404	FY 2010 15.631 624.815 17.359 642.174	r decrease of a two year IO cheduled for FY 2011 16.030 1,133.207 47.048	\$3.155M for  OC delay. Durir Sep 06, LRIP c  To Compl 541.770 6,610.729 362.718 7,515.217	Total Cos 634.74: 9,482.82: 457.69: 10,482.28: 0.000 22.610 2.020
(U) Technical: (U) C. OTHER PROGR Line Item No. & N (U) PANMC, BLI #147500 (U) PMC BA2, BLI #2022 (U) PMC BA7 (Spares), BI (U) PMC, E (U) MILCON P-038 (U) MILCON P-042	FY 2007 net increase of \$25.885 reflects a design development associated with a chan miscellaneous pricing and technical adjust. The EFV program schedule is adjusted to radditional time prior to MS C, prototype te for early FY 07, and IOC in FY 10.  Not Applicable  AM FUNDING SUMMARY:  Name  O, EFV  O0, EFV  1700000, EFV  FY 200  FY 1000000, EFV  FY 200  FY 200  FY 300  FY 400  FY 500  F	n increase of \$2.0 ge in budget procuents. reflect the rephasis sting, LRIP vehic  004 FY2005 2.464 195 52.497	urement profile was ag of procurement le design and Life FY2006 5.738 30.359 0.000	FY2007 9.504 255.983 9.708 265.691	FY2008 28.730 267.587 8.456 276.043 - 22.610	y one year; ar one year MS s will continue FY 2009 14.875 410.452 12.404	C delay and e. MS C is s  FY 2010 15.631 624.815 17.359	r decrease of a two year IO scheduled for FY 2011 16.030 1,133.207 47.048 1,180.255	\$3.155M for  OC delay. Durir Sep 06, LRIP c  To Compl 541.770 6,610.729 362.718 7,515.217	Total Cos 634.74: 9,482.82: 457.69: 10,482.28' 0.000 22.610

R-1 SHOPPING LIST - Item No. 56

#### **CLASSIFICATION:**

EXHIBIT R-2a, R	DT&E Project Justification		DATE:
			FEBRUARY 2005
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AN	ID NAME:
RDT&E, N /BA-4 Advanced Component Dev. and Prototypes	0603611M Marine Corps Assault Vehicles	B0020 Expeditionary Fi	ghting Vehicle (EFV)

#### (U) Related RDT&E: Not Applicable.

- (U) PE 0206623M (Marine Corps Ground Combat/Supporting Arms Systems), Project C0021, AAV7A1.
- (U) PE 0206623M (Marine Corps Ground Combat/Supporting Arms Systems), Project B2237, AVTD.

### (U) D. ACQUISITION STRATEGY:

The EFV Program acquisition strategy includes the extensive use of test assets, models, simulation, and advanced technology research to optimize vehicle design, reduce Total Ownership Cost (TOC), and control vehicle unit cost. Three fully functional PDRR prototypes were developed and have undergone extensive developmental testing to further vehicle maturity. During the SDD phase of the program, nine prototype vehicles will be manufactured and tested extensively in developmental and operational tests. A tenth vehicle will be manufactured for use during Full Up System Level Lethality testing planned to begin in FY07. Following the LRIP decision review, LRIP vehicles will be delivered in FY08 and FY09 for use during Initial Operational Test and Evaluation (IOT&E). Initial Operational Capability (IOC) and Full Operational Capability (FOC) will occur in FY10 and FY20, respectively.

The EFV management strategy is event driven, designed to ensure a logical progression through the EFV acquisition to reduce risk, ensure affordability, and provide adequate information to decision makers regarding acquisition progress. The EFV Program team is a partnership of government and industry experts, committed to developing the most versatile combat vehicle, providing the optimum balance of combat effectiveness, affordability, innovation, and technology. The program Integrated Product Teams (IPTs), composed of contractors, sub-contractors, Marines, and government civilians, are the foundation of the EFV acquisition management process. The government, prime contractor, and major subcontractors are co-located in a highly integrated communication environment that facilitates proactive decision-making processes and flexible execution of plans to support these teams and product development.

CAIV has been institutionalized throughout the program and as such is an integral consideration in all trade studies and decisions. The program has had a highly integrated and extensive test approach since its inception which has included a very strong engineering-model and prototype testing program supported by extensive modeling and simulation techniques which is intended to continue throughout SDD. As a Program Management Oversight for Life Cycle Support pilot program, the program office management strategy includes planning for life cycle support once the system is fielded to more efficiently manage and optimize operating and support requirements and reduce overall program cost.

The program's contracting approach for the EFV is to award the vast majority of the work to one prime contractor, competitively selected in 1996. GDLS operating through its division GDAMS will be responsible for designing and producing the vehicle and providing support for testing from PDRR through LRIP. Contracts for Government Furnished Property will be kept to a minimum and will include only property which could not otherwise be available to the contractor. Local Area Network support contract is currently provided by an 8(a) firm. Contract support for programmatic and technical support was competitively awarded in September 2003 as a cost plus fixed-fee contract and will continue through FY08. The Life Cycle Support Contract is scheduled for award during FY07 for a portion of the initial operations and maintenance support for the fielded EFVs.

#### (U) E. MAJOR PERFORMERS:

FY 03-07 - General Dynamics, Woodbridge, VA. Validation of manufacturing and production processes, fabrication and testing of SDD vehicles, and finalizing and implementing Life Cycle Management. Awarded Feb 01.

CLASSIFICATION:

OL/ (OOII TO/ (TTOT).															
								DATE:							
Exhibit R-3 Cost Analysis								FEBRUARY 2005							
APPROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT NUMBER AND NAME						PROJECT NUMBER AND NAME									
RDT&E, N /BA-4 Advanced C	Component D	Development and Prototypes	0603611M	Marine Corp	s Assault	Vehicles		B0020 Exp	editionary F	ighting Vehi	icle (EFV)				
Cost Categories	Contract	Performing	Total		FY 04		FY 05		FY 06		FY 07	Cost to	Total	Target	
(Tailor to WBS, or Sys/Item	Method	Activity &	PY s	FY 04	Award	FY 05	Award	FY 06	Award	FY 07	Award	Complete	Cost	Value of	
Requirements)	& Type	Location	Cost	Cost	Date	Cost	Date	Cost	Date	Cost	Date			Contract	
PDRR Contract	CPAF	GDLS - PDRR Award	399.703									Cont	Cont	400.000	
SDD Contract	CPAF	GDLS - SDD Award	502.903	192.345	1/	192.595	1/	206.109	1/	155.889	1/	Cont	Cont	910.195	
Subtotal Program Dev Spt			902.606	192.345		192.595		206.109		155.889		Cont	Cont		
Pomarke:	•	•	•		•	•		•	•	•	•	•		•	

Remarks

1/ The SDD contract was definitized in July 2001. The SDD contract is for the entire SDD effort and is incrementally funded. Target value does not include the program restructure.

Cost Categories	Contract	Performing	Total		FY 04		FY 05		FY 06		FY 07	Cost to	Total	Target
(Tailor to WBS, or System/Item	Method	Activity &	PY s	FY 04	Award	FY 05	Award	FY 06	Award	FY 07	Award	Complete	Cost	Value of
Requirements)	& Type	Location	Cost	Cost	Date	Cost	Date	Cost	Date	Cost	Date			Contract
Program Support		EG&G, Manassas, VA	23.256									Cont	Cont	24.000
Program Support	CPFF	EG&G, Manassas, VA		4.173		4.212	2/	4.296	2/	4.382	2/	Cont	Cont	18.226
Program Support		Various Government Contracts	15.587	2.015	3/	1.420	3/	1.794	3/	1.570	3/	Cont	Cont	17.063
Training devices/simulators	CPAF	GDLS	1.428	11.070	3Q	20.611	2Q	14.895	1Q			Cont	Cont	
Subtotal Program Support			40.271	17.258		26.243		20.985		5.952		Cont	Cont	

2/ EG&G contract type (CPFF) was awarded in September 2003 for contract performance through FY08.

3/ Various contract award dates.

										1				
Cost Categories	Contract	Performing	Total		FY 04		FY 05		FY 06		FY 07	Cost to	Total	Target
(Tailor to WBS, or System/Iten	Method	Activity &	PY s	FY 04	Award	FY 05	Award	FY 06	Award	FY 07	Award	Complete	Cost	Value of
Requirements)	& Type	Location	Cost	Cost	Date	Cost	Date	Cost	Date	Cost	Date			Contract
Testing	N/A	Various Locations	22.531	17.415	3/	17.693	3/	19.003	3/	17.608	3/	Cont	Cont	
Subtotal T&E			22.531	17.415		17.693		19.003		17.608		Cont	Cont	

Remarks:

3/ Various contract award dates.

CLASSIFICATION: DATE: Exhibit R-3 Cost Analysis FEBRUARY 2005 APPROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT NUMBER AND NAME PROJECT NUMBER AND NAME RDT&E, N /BA-4 Advanced Component Development and Prototypes 0603611M Marine Corps Assault Vehicles B0020 Expeditionary Fighting Vehicle (EFV) Cost Categories Contract Performing Total FY 04 FY 05 FY 06 FY 07 Cost to Total Target (Tailor to WBS, or System/Item Method PY s FY 05 FY 06 Activity & FY 04 Award Award Award FY 07 Award Complete Cost Value of Cost Requirements) & Type Location Cost Date Cost Date Cost Date Cost Date Contract Various Government Labs 74.504 3.104 3/ 4.557 3/ 5.570 3/ 5.956 3/ Cont Cont In-house technical support MITRE CORP, McClean, VA 9.700 1Q 1Q 2.008 1Q 2.051 Mgmt & Prof Support 1.826 1.970 1Q Cont Cont 84.204 4.930 6.527 7.578 8.007 Subtotal Management Cont Cont Remarks: 4/ Various contract award dates. Total Cost 1,049.612 231.948 243.058 253.675 187.456 Cont Cont

DATE: Exhibit R-4/4a Schedule Profile/Detail FEBRUARY 2005 APPROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT NUMBER AND NAME PROJECT NUMBER AND NAME RDT&E, N /BA-4 Advanced Component Development and Prototypes 0603611M Marine Corps Assault Vehicles B0020 Expeditionary Fighting Vehicle (EFV) FY01 FY03 FY18 FY19 FY20 Fiscal Year FY04 FY05 FY06 FY07 FY08 FY12 FY17 FY02 FY09 FY10 FY11 FY13 FY14 FY15 FY16 SAE FRP Decision **▲**MS II ST/STE Contract Award Decision MS C FOC Reviews DRR IOC Service Depot Support & Organic Support CDR Full Rate LRIP Acquisition SDD Contract Award Critical Events Long Lead Contract Award Contract Contract Ready for Training Capability Award ward Marine User )(C) (P & C) (C)(P) Juries PDRR Prototype Testing Ballistic Hull & Turret Testing Hot Weather DT/OT Cold Weather OA (C) (P) (P) Operational MS C Assessments OA Fabricate 9 SDD Prototypes Fabricate Live Fire Test Vehicle Developmental II & RAM-D Testing Full Up System Level Live Fire Test LRIP Deliveries Lot I ЮТ&Е LRIP Deliveries Lots II & III &IV Full Rate Production Deliveries **Funded Quantities** 108 120 120 120 120 120 120 15 26 42 0 0 0 17 84 120 120 5 68 117 120 120 17 20 31 120 120 34

							DATE:							
Exhibit R-4/4a Sch	nedule Profil	e/Detail					FEBRUARY 2005							
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /BA-4 Advanced Component Development and Prototypes								T NUMBER AND NAME   (peditionary Fighting Vehicle (EFV)						
SCHEDULE DETAIL			FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011				
MS C					4Q									
SAE FRP Decision									4Q					
IOC									4Q					
PDRR Prototype Testing			1-2Q											
Operational Assessments					2-3Q	2Q								
Fabrication of 9 Prototypes			1-4Q	1-3Q										
Fabricate Live Fire Test Vehicle			1-4Q	1-2Q										
Developmental II & RAM-D Testing			1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1Q					
CDR					2Q									
LRIP Contract Award						1Q								
Full Up System Level Live Fire Test						1-4Q	1-4Q							
LRIP Deliveries Lot I							3-4Q	1-2Q						
IOT&E								3-4Q	1-2Q					
Ready for Training									2Q					
LRIP Deliveries Lots II & III & IV								3-4Q	1-4Q	1-4Q				
Full Rate Contract Award										1Q				