

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)

February 2003

BUDGET ACTIVITY

5 - System Development and Demonstration

PE NUMBER AND TITLE

0604622A - Family of Heavy Tactical Vehicles

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
Total Program Element (PE) Cost	2510	14521	9200	10756	11727	14586	981	981	0	65262
659 FAMILY OF HVY TAC VEH	0	953	1467	0	0	0	0	0	0	2420
E49 HEMTT	2510	13568	6749	9773	10747	13607	0	0	0	56954
E50 TRAILER DEVELOPMENT	0	0	984	983	980	979	981	981	0	5888

A. Mission Description and Budget Item Justification: This program element aligns system development and demonstration of Heavy Tactical Vehicles with Objective Force requirements to support combat and combat support missions. These missions include the following: line haul, local haul, and unit resupply. These trucks transport water, ammunition, and general cargo over all terrain and throughout the battle-space. FY2004 Project 659 provides funds for the development of a Crew Protection Kit on the M915 Family of Vehicles. FY2004/2005 Project E49 provides funds for the development of the Future Tactical Truck System (FTTS). FY2004/2005 Project E50 provides funds for performance of feasibility testing on two M872A4 Semi-trailers with enhanced mobility characteristics when towed by an improved M915A4 Truck Tractor Line haul and to procure and conduct feasibility testing on two M870A3 Semi-trailers and perform assessment of the trailers' capability to match up to the M983 HEMTT Operational Mode Summary/Mission Profile with Enhanced Mobility Characteristics. This project supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)**February 2003****BUDGET ACTIVITY****5 - System Development and Demonstration****PE NUMBER AND TITLE****0604622A - Family of Heavy Tactical Vehicles**

<u>B. Program Change Summary</u>	FY 2002	FY 2003	FY 2004	FY 2005
Previous President's Budget (FY 2003)	0	3990	8354	9939
Current Budget (FY 2004/2005 PB)	2510	14521	9200	10756
Total Adjustments	2510	10531	846	817
Congressional program reductions			-154	-183
Congressional rescissions		-167		
Congressional increases		11200		
Reprogrammings	2410	-83		
SBIR/STTR Transfer		-419		
Adjustments to Budget Years	100		1000	1000

Funding - FY2003: Increase of \$11.2M supports the Heavy Expanded Mobility Tactical Truck (HEMTT) Technical Improvements Program.

Funding - FY2004: Increase of \$1M supports the feasibility testing on the M872A4 Semi-trailer.

Funding - FY2005: Increase of \$1M supports the feasibility testing on the M870A3 Semi-trailer.

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								February 2003		
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles				PROJECT 659		
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
659 FAMILY OF HVY TAC VEH	0	953	1467	0	0	0	0	0	0	2420
<p><u>A. Mission Description and Budget Item Justification:</u> FY 2004 Project 659 provides funds for the engineering development and prototype of the Crew Protection Kit for the M915 Family of Vehicles. The Crew Protection Kit will provide protection to the two-man crew against small arms, mines and artillery and is identified as a materiel requirement under an ORD for the Tactical Wheeled Vehicle Crew Protection Kit (CPK) dated 19 Jan 1996. This project supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).</p>										
<u>Accomplishments/Planned Program</u>						<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	
Development of the engineering and prototype models of the M915 Crew Protection Kit						0	953	110	0	
Acquire prototypes for testing						0	0	521	0	
Conduct prototype testing on the M915 Crew Protection Kit						0	0	836	0	
Totals						0	953	1467	0	

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								February 2003		
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles					PROJECT 659	
B. Other Program Funding Summary	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Compl	Total Cost
OPA1 D15900, Truck, Tractor, Line Haul M915A2	42260	41865	28648	16030	16374	16740	0	0	0	161917
C. Acquisition Strategy: Limited RDTE effort to support follow-on production.										

ARMY RDT&E COST ANALYSIS(R-3)									February 2003			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles					PROJECT 659		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Program Management	IN-HOUSE	TACOM, Warren, MI	1336	953	2-4Q	110	1Q	0		0	2399	2399
b . Crew Protection Kit System Development & Demonstration Award	C-CPFF	TBD	0	0		521	1Q	0		0	521	521
Subtotal:			1336	953		631		0		0	2920	2920
II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0	0		0		0		0	0	0

ARMY RDT&E COST ANALYSIS(R-3)									February 2003			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles					PROJECT 659		
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Crew Protection Kit Testing	MIPR	APG, Aberdeen, MD	0	0		836	2-4Q	0		0	836	836
Subtotal:			0	0		836		0		0	836	836
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0	0		0		0		0	0	0
Project Total Cost:			1336	953		1467		0		0	3756	3756

Schedule Profile Detail (R-4a Exhibit)							February 2003				
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles			PROJECT 659				
<u>Schedule Detail</u>				<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Award System Development & Demonstration contract for Crew Protection Kit						1Q					
Conduct testing on Crew Protection Kit						2-4Q					

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)							February 2003			
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles				PROJECT E49		
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
E49 HEMTT	2510	13568	6749	9773	10747	13607	0	0	0	56954
<p><u>A. Mission Description and Budget Item Justification:</u> FY2004/FY2005 funds prototype development, which leads to the competitive procurement of the Future Tactical Truck System (FTTS). The FTTS is the Objective Force sustainment vehicle system and is the optimal solution to address numerous shortfalls exhibited by the Current Fleet when assessed against required Objective Force support. The Current tactical wheeled vehicle fleet cannot sustain the Objective Force due to an outdated architecture that requires multiple variants and models, an increasingly cumbersome logistics footprint, poor C-130 deployability, poor fuel economy, an inability to maintain the OPTEMPO of its pacing system, the Future Combat System (FCS), and mobility limitations which will not enable true seamless, just in time support. FTTS is one of the Chief of Transportation's top three priorities and will enhance sustainability and reliability by means of onboard diagnostics and prognostics and achieve mobility matching that of the FCS through advanced suspension and propulsion systems. In addition, FTTS will provide unparalleled deployability through the ability to be loaded aboard the C-130 cargo, and load/offload the C-130 without ancillary material handling equipment through the use of an integrated smart load handling system. Crew survivability will be greatly increased using subsystems that provide an integrated mine/ballistic protection, NBC and ambush protection, and enhanced situational awareness as well as allowing network centric operations with the rest of the battlefield. Technologies such as on-board power generation, which reduce supplemental generator requirements, and increased fuel economy, will enable the FTTS to be a crucial logistics footprint reducer for the Objective Force. The focus of the System Development and Demonstration phase is to complete the FTTS architecture design and thus allow for the seamless integration of high-payback technologies into a capable, affordable package. A comprehensive analysis has revealed that no single existing vehicle system can or will be able to solve all of these requirements. Without the FTTS, the FCS will have to rely upon the current fleet with all of its overwhelming shortcomings for its support. FY2004 funds also complete the test program for a FY2003 funded effort directed toward advanced technology improvements for the Heavy Expanded Mobility Tactical Truck (HEMTT) Extended Service Program and HEMTT new production. It will also provide for evolutionary transformation of the HEMTT fleet. Research efforts will be partnered with the National Automotive Center and other private industry partners to incorporate diagnostics, multiplexed smart wiring, Integrated Electronic Tech Manuals, and other advanced technology to reduce Operations and Support costs and improve the readiness of the HEMTT fleet. Prior to FY2004 funding supports development of a Block Modification on the Movement Tracking System (MTS). This Block Modification will increase the performance and functionality of the MTS through multiple interface developments. This project supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).</p>										
<u>Accomplishments/Planned Program</u>							<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Encryption Validation							240	0	0	0
User Functional Description (UFD)enhanced software development.							650	1300	0	0
Embedded Military Global Positioning System Selective Availability Anti-Spoofing Module interface development.							859	500	0	0
United States Army, Europe-Defense Transportation Recording And Control System interface development.							0	100	0	0

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								February 2003			
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles				PROJECT E49			
Accomplishments/Planned Program (continued)								FY 2002	FY 2003	FY 2004	FY 2005
Automated Identification Technology/Radio Frequency Identification Device interface development.								727	100	0	0
Global Combat Support System-Army (Combat Service Support Control System/Force XXI Battle Command Battalion/Brigade and Below) interface development.								34	861	0	0
HEMTT advanced technology improvement development.								0	7907	0	0
HEMTT advanced technology improvement prototypes.								0	2800	0	0
Testing of HEMTT advanced technology improvements.								0	0	2000	0
FTTS Systems Integration (Government modeling & simulation)								0	0	4749	0
FTTS Systems Integration (Contractor Modeling and Simulation)								0	0	0	4000
FTTS Systems Integration (Prototype Development)								0	0	0	5773
Totals								2510	13568	6749	9773
B. Other Program Funding Summary		FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Compl	Total Cost
OPA1, DA0500, Family of Heavy Tactical Vehicles		159099	252365	133130	99743	97837	224698	90894	75123	Continuing	Continuing
OPA1, D16301 Future Tactical Truck System (FTTS)		0	0	0	0	0	0	11497	183477	Continuing	Continuing
C. Acquisition Strategy: FTTS trails the FCS by 2 years, as FCS is the pacing system and drives FTTS support requirements. This enables FTTS to achieve commonality with the FCS and reduce RDT&E expenses by leveraging the FCS Concept/System Development and Demonstration (SDD) effort. The initial stages of the FTTS RDT&E effort will rely almost entirely on modeling and simulation in order to reduce program risk and development costs. This data would be used to support the competitive award for the prototype development phase of the SDD efforts. Award of a production contract will follow successful completion of SDD prototype testing and evaluation.											

ARMY RDT&E COST ANALYSIS(R-3)									February 2003			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles					PROJECT E49		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . MTS Software Development, Engineering, Testing, Program Management	C/CPIF	TBD	2510	2861	3Q	0		0		0	5371	0
b . Technical Improvement Development - Government	IN HOUSE	TACOM, Warren, MI	0	300		0		0		0	300	0
c . Technical Improvement Development - Contractor	CPFF	Oshkosh Truck Corp., Oshkosh, WI	0	7607	2Q	0		0		0	7607	0
d . Technical Improvement Prototypes	CPFF	Oshkosh Truck Corp., Oshkosh, WI	0	2800	4Q	0		0		0	2800	0
e . FTTS Systems Integration - Government	IN HOUSE	TACOM, Warren, MI	0	0		4749	2Q	0		0	4749	0
f . FTTS Systems Integration - Contractor	CPFF	TBD	0	0		0		9773	2Q	17354	27127	0
Subtotal:			2510	13568		4749		9773		17354	47954	0

ARMY RDT&E COST ANALYSIS(R-3)									February 2003			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles					PROJECT E49		
II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 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 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . HEMTT Technical Improvement Testing	MIPR	APG, Aberdeen, MD	0	0		2000	4Q	0		0	2000	0
b . FTTS Testing	MIPR	APG, Aberdeen, MD	0	0		0		0		7000	7000	0
Subtotal:			0	0		2000		0		7000	9000	0

ARMY RDT&E COST ANALYSIS(R-3)									February 2003			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles					PROJECT E49		
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
			0	0		0		0		0	0	0
Subtotal:												
Project Total Cost:												
			2510	13568		6749		9773		24354	56954	0

Schedule Profile Detail (R-4a Exhibit)							February 2003	
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles				PROJECT E49
<u>Schedule Detail</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
MTS Interface development	2-4Q	1-3Q						
HEMTT Technical Improvement development		2-4Q	1-3Q					
HEMTT Technical Improvement Prototypes		4Q						
HEMTT Technical Improvement testing			4Q	1-3Q				
FTTS Milestone A Decision		4Q	1Q					
FTTS Advanced Concept Technology Demonstration			1-4Q	1-4Q	1-4Q	1-4Q		
FTTS Modeling & Simulation			2Q					
FTTS ORD Approval				2-3Q				
FTTS Milestone B Decision				2-3Q				
FTTS Prototype Development				2-4Q	1-4Q			
FTTS Prototype Testing						2-4Q		
FTTS Milestone C Decision							2-3Q	

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)							February 2003				
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles				PROJECT E50			
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
E50	TRAILER DEVELOPMENT	0	0	984	983	980	979	981	981	0	5888
<p><u>A. Mission Description and Budget Item Justification:</u> FY2004/FY2005 funds provide for performance of feasibility testing on two M872A4 Semi-Trailers with enhanced mobility characteristics when towed by an improved M915A4 Truck Tractor Line Haul and to procure and conduct feasibility testing on two M870A3 Semi-Trailers and performance assessment of the Trailers' capability to match up to the M983 Heavy Expanded Mobility Tactical Truck (HEMTT) Operational Mode Summary/Mission Profile with Enhanced Mobility Characteristics. This project supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).</p>											
<u>Accomplishments/Planned Program</u>							<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	
Feasibility testing of enhanced M872A4 and M870A3 Semi-trailers.							0	0	200	400	
Program Integration							0	0	300	200	
Program Management							0	0	84	83	
Enhanced M870A3 Semi-Trailer.							0	0	200	150	
Enhanced M872A4 Semi-Trailer.							0	0	200	150	
Totals							0	0	984	983	

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								February 2003																																			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles				PROJECT E50																																		
<div style="border: 1px solid black; margin-bottom: 10px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%; text-align: left; padding: 5px;"><u>B. Other Program Funding Summary</u></th> <th style="width: 5%; text-align: center; padding: 5px;"><u>FY 2002</u></th> <th style="width: 5%; text-align: center; padding: 5px;"><u>FY 2003</u></th> <th style="width: 5%; text-align: center; padding: 5px;"><u>FY 2004</u></th> <th style="width: 5%; text-align: center; padding: 5px;"><u>FY 2005</u></th> <th style="width: 5%; text-align: center; padding: 5px;"><u>FY 2006</u></th> <th style="width: 5%; text-align: center; padding: 5px;"><u>FY 2007</u></th> <th style="width: 5%; text-align: center; padding: 5px;"><u>FY 2008</u></th> <th style="width: 5%; text-align: center; padding: 5px;"><u>FY 2009</u></th> <th style="width: 5%; text-align: center; padding: 5px;"><u>To Compl</u></th> <th style="width: 5%; text-align: center; padding: 5px;"><u>Total Cost</u></th> </tr> <tr> <td style="padding: 5px;">OPA1 D01600 Semi-Trailer FB BB/CONT TR 34T M872A4</td> <td style="text-align: center; padding: 5px;">9774</td> <td style="text-align: center; padding: 5px;">24655</td> <td style="text-align: center; padding: 5px;">14966</td> <td style="text-align: center; padding: 5px;">1785</td> <td style="text-align: center; padding: 5px;">1765</td> <td style="text-align: center; padding: 5px;">1764</td> <td style="text-align: center; padding: 5px;">1044</td> <td style="text-align: center; padding: 5px;">9489</td> <td style="text-align: center; padding: 5px;">0</td> <td style="text-align: center; padding: 5px;">65242</td> </tr> <tr> <td style="padding: 5px;">OPA 1 D00700 Semi-Trailer LB 40T M870A3</td> <td style="text-align: center; padding: 5px;">1451</td> <td style="text-align: center; padding: 5px;">1875</td> <td style="text-align: center; padding: 5px;">1730</td> <td style="text-align: center; padding: 5px;">1603</td> <td style="text-align: center; padding: 5px;">0</td> <td style="text-align: center; padding: 5px;">377</td> <td style="text-align: center; padding: 5px;">0</td> <td style="text-align: center; padding: 5px;">0</td> <td style="text-align: center; padding: 5px;">0</td> <td style="text-align: center; padding: 5px;">7036</td> </tr> </table> </div> <div style="border: 1px solid black; padding: 10px;"> <p><u>C. Acquisition Strategy:</u> Conduct feasibility testing through Research and Development Program Integrator on two commercial semi-trailers with enhanced mobility and materiel handling characteristics when towed by an improved M915A4 Truck, Tractor, Line Haul. Program Integrator will be competitively selected. Procure and conduct mobility assessment on two trailers (M870A3 and Self-Loading/Off-Loading Trailer (SLOT)) when towed by the M983 Engineer Variant Heavy Expanded Mobility Tactical Truck (HEMTT). The goal is to identify concepts that would enhance the system's overall mobility through either modification of existing equipment or development of new equipment and enhanced equipment transportability and safety through improved or innovative tie-down and lifting concepts. Research and Development contractor will recommend improvements in hardware to be acquired sole source for testing.</p> </div>											<u>B. Other Program Funding Summary</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>To Compl</u>	<u>Total Cost</u>	OPA1 D01600 Semi-Trailer FB BB/CONT TR 34T M872A4	9774	24655	14966	1785	1765	1764	1044	9489	0	65242	OPA 1 D00700 Semi-Trailer LB 40T M870A3	1451	1875	1730	1603	0	377	0	0	0	7036
<u>B. Other Program Funding Summary</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>To Compl</u>	<u>Total Cost</u>																																	
OPA1 D01600 Semi-Trailer FB BB/CONT TR 34T M872A4	9774	24655	14966	1785	1765	1764	1044	9489	0	65242																																	
OPA 1 D00700 Semi-Trailer LB 40T M870A3	1451	1875	1730	1603	0	377	0	0	0	7036																																	

ARMY RDT&E COST ANALYSIS(R-3)									February 2003			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles					PROJECT E50		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Program Integrator	C-CP/FF	To Be Selected (TBS)	0	0		300	2Q	200	3Q	Continue	500	Continue
b . Program Management	In-House	TACOM-WRN	0	0		84	2Q	83	2Q	Continue	167	Continue
c . Enhanced M872	C-FF	To Be Selected (TBS)	0	0		200	3Q	150	3Q	Continue	350	Continue
d . Enhanced M870	C-FF	To Be Selected (TBS)	0	0		200	3Q	150	3Q	Continue	350	Continue
Subtotal:			0	0		784		583		Continue	1367	Continue
II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0	0		0		0		0	0	0

ARMY RDT&E COST ANALYSIS(R-3)									February 2003			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles					PROJECT E50		
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . M872A4, M870A3	MIPR	Aberdeen Test Center, Aberdeen, MD	0	0		200	2Q	400	2Q	Continue	600	Continue
Subtotal:			0	0		200		400		Continue	600	Continue
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0	0		0		0		0	0	0
Project Total Cost:			0	0		984		983		Continue	1967	Continue

Schedule Profile Detail (R-4a Exhibit)							February 2003	
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles				PROJECT E50
<u>Schedule Detail</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Conduct feasibility testing on enhanced M872A4 Semi-Trailer.			2-4Q	2-4Q	2-4Q	2-4Q	2-4Q	2-4Q
Conduct feasibility testing on enhanced M870A3 Semi-Trailer.			2-4Q	2-4Q	2-4Q	2-4Q	2-4Q	2-4Q