

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)							February 2006		
BUDGET ACTIVITY 5 - System Development and Demonstration			PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles						
COST (In Thousands)	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	13938	20913	3960	1962	1965	2981	2977	0	78830
659 FAMILY OF HVY TAC VEH	3357	6900	8	0	0	0	0	0	11697
65A MOVEMENT TRACKING SYSTEM (MTS)	2374	2393	2928	937	941	911	908	0	11392
E49 HEMTT	6707	8478	0	0	0	0	0	0	42947
E50 TRAILER DEVELOPMENT	1500	3142	1024	1025	1024	2070	2069	0	12794
<p><u>A. Mission Description and Budget Item Justification:</u> This program element aligns system development and demonstration of Heavy Tactical Vehicles with Future Modular 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. Funding in Project 65A is for the development of the Movement Tracking System (MTS). Funding in Project E50 supports the continued modernization of the Army's trailer fleets and supports the continuous product improvements, technology insertion, and new capabilities for tactical trailers.</p>									

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)				February 2006
BUDGET ACTIVITY 5 - System Development and Demonstration		PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles		
	FY 2005	FY 2006	FY 2007	
<u>B. Program Change Summary</u>				
Previous President's Budget (FY 2006)	19631	3415	7462	
Current BES/President's Budget (FY 2007)	13938	20913	3960	
Total Adjustments	-5693	17498	-3502	
Congressional Program Reductions		-91		
Congressional Rescissions		-211		
Congressional Increases		17800		
Reprogrammings	-5693			
SBIR/STTR Transfer				
Adjustments to Budget Years			-3502	
Change Summary Explanation:				
Funding: FY2005: Funds realigned to correct PE for proper execution of congressional add.				
FY2006: Funds increased due to Congressional Adds.				
FY2007: Funds realigned to higher priority requirements.				

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)								February 2006		
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles				PROJECT 659		
COST (In Thousands)	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total Cost	
659 FAMILY OF HVY TAC VEH	3357	6900	8	0	0	0	0	0	11697	
A. Mission Description and Budget Item Justification: The existing Heavy Tactical Vehicle programs require insertion of current, mature technology to increase the capability of the vehicle toward the future force requirements. This technology infusion will be accomplished through the A3 program within the objective level capabilities of the current Operational Requirements Documents. The FY06 Congressional funding will be used for developing the Army's next generation of tactical truck, as part of the Army's Tactical Wheeled Vehicle Modernization Strategy. This work leverages the 21st Century Truck and Jumpstart FTTS ACTD programs, which have developed new vehicle capabilities by integrating key technologies such as hybrid electric engines, advanced lightweight materials, intelligent control systems, and embedded diagnostics into military vehicles. HQ DA is pursuing reprogramming of \$6.9M FY06 funds from 654622.659 to the correct APE/Project.										
<u>Accomplishments/Planned Program</u>						<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>		
PLS Block I Development						1220	0	0		
HET Block I Development						1830	0	0		
In-House Support						307	0	8		
Contracts for Development and Demonstration of the FTTS UV. The contracts will be for the fabrication and delivery of 2 UVs with companion trailers.						0	6500	0		
In-House Support						0	400	0		
Total						3357	6900	8		
<u>B. Other Program Funding Summary</u>		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Compl	Total Cost
OPA1 D15900, Truck, Tractor, Line Haul M915A2		28361	6111	24323	44848	39752	33850	18300	0	195545
OPA1 D16500, PLS Truck		50246	30661	54732	92634	82722	16057	14351	0	341403
C. Acquisition Strategy Funds for developing Army's next generation of tactical truck.										

ARMY RDT&E COST ANALYSIS (R3)										February 2006		
BUDGET ACTIVITY			PE NUMBER AND TITLE							PROJECT		
5 - System Development and Demonstration			0604622A - Family of Heavy Tactical Vehicles							659		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Crew Protection Kit System Development & Demonstration Award	C-CPFF	Simula, Phoenix, AZ	1402	0		0		0		0	1402	0
PLS Block I Development	FFP	Oshkosh Truck, Oshkosh, WI	0	1220	3-4Q	0		0		0	1220	0
HET Block I Development	FFP	Oshkosh Truck, Oshkosh, WI	0	1830	4Q	0		0		0	1830	0
Contract to Develop and Demonstrate FTTS UV	FFP	TBD	0	0		6500	2Q	0		0	0	0
Subtotal:			1402	3050		6500		0		0	4452	0
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
In-House	In-House	TACOM, Warren, MI 48397-5000	0	307	1-4Q	400	1-4Q	8		0	0	0
Subtotal:			0	307		400		8		0	0	0
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									
IV. Management Services	Contract Method &	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award	FY 2006 Cost	FY 2006 Award	FY 2007 Cost	FY 2007 Award	Cost To Complete	Total Cost	Target Value of

ARMY RDT&E COST ANALYSIS (R3)								February 2006			
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles						PROJECT 659	
	Type				Date		Date		Date		Contract
Subtotal:			0								
Project Total Cost:			1402	3357		6900		8		0	4452 0

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Schedule Detail (R4a Exhibit)						February 2006	
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 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>
Conduct testing on Crew Protection Kit	1-2Q						
PLS Block I Development	4Q	1-4Q					
HET Block I Development	4Q	1-4Q					
Contract Awards (Hardware Options)	2-3Q						
Build	2-4Q	1-2Q					
FTTS Contract Award		2Q					
FTTS UV Build		2-4Q	1Q				
Safety Test			1Q				
Military Utility Assessment (MUA)			2-3Q				

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)								February 2006	
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles				PROJECT 65A	
COST (In Thousands)	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total Cost
65A MOVEMENT TRACKING SYSTEM (MTS)	2374	2393	2928	937	941	911	908	0	11392
<u>A. Mission Description and Budget Item Justification:</u> Movement Tracking System (MTS) is a satellite based, asset visibility and situational awareness enabler that assists Combat Support/Combat Service Support (CS/CSS) commanders and their staffs. MTS identifies and tracks the location of vehicles, communicates with vehicle operators, and redirects missions on a worldwide, near real-time basis during peacetime operations and war. MTS provides the capability to link ground level operators conducting missions and commanders/managers that plan, direct, and control operations and allows for continuous CS/CSS asset visibility across the tactical area of operations. FY2007 funding supports development of block modifications on the MTS. This block modification will develop and test required interfaces to TC AIMS II (direct electronic interface) and GCSS-Army (direct electronic interface).									
<u>Accomplishments/Planned Program</u>						<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	
Development of block modifications on the Movement Tracking System						2374	2393	2928	
Total						2374	2393	2928	
<u>B. Other Program Funding Summary</u>									
OPA1 D16103000, Movement Tracking System (MTS)	FY 2005 63878	FY 2006 35532	FY 2007 95074	FY 2008 50730	FY 2009 147448	FY 2010 123574	FY 2011 200380	To Compl CONT	Total Cost CONT
<u>C. Acquisition Strategy</u> RDTE efforts to support block development approach through a continuous series of overlapping modular development and integration testing to include multiple interface developments in support of follow-on production.									

ARMY RDT&E COST ANALYSIS (R3)										February 2006		
BUDGET ACTIVITY				PE NUMBER AND TITLE							PROJECT	
5 - System Development and Demonstration				0604622A - Family of Heavy Tactical Vehicles							65A	
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Software development, engineering, testing, program management	FFP/IDIQ	Comtech Mobile, Germantown, MD	0	2374	3Q	2393	3Q	2928	1Q	0	0	0
Subtotal:			0	2374		2393		2928		0	0	0
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									
Project Total Cost:			0	2374		2393		2928		0	0	0








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Schedule Detail (R4a Exhibit)					February 2006		
BUDGET ACTIVITY 5 - System Development and Demonstration		PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles					PROJECT 65A
<u>Schedule Detail</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>
MTS Continuous Block Improvements	2-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
Full Fielding	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
Sustainment	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)								February 2006		
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles				PROJECT E49		
COST (In Thousands)		FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total Cost
E49	HEMTT	6707	8478	0	0	0	0	0	0	42947
A. Mission Description and Budget Item Justification: FY2005 funds the Heavy Expanded Mobility Tactical Truck (HEMTT) A3 prototype development. The HEMTT vehicle program requires insertion of current, mature technology to increase the capability of the vehicle toward the future force requirements. Received FY2006 Congressional add to continue A3 prototype development. Also received FY2006 Congressional add for Advanced Drivetrains for Enhanced Mobility and Safety. This is to assess and analyze alternative drivetrain configurations to incorporate state-of-the-art technology and design characteristics for improved military vehicles.										
<u>Accomplishments/Planned Program</u>						<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>		
HEMTT advanced technology improvement development.						4215	1700	0		
HEMTT advanced technology improvement prototypes.						1000	3100	0		
Testing of HEMTT advanced technology improvements.						1170	2040	0		
In House Support						322	600	0		
Advanced Drivetrain development of prototypes and testing						0	1038	0		
Total						6707	8478	0		
B. Other Program Funding Summary										
		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Compl	Total Cost
OPA1, DA0500, Family of Heavy Tactical Vehicles		612351	236633	353198	362526	452206	415745	243988	0	2676647
C. Acquisition Strategy Limited RDTE effort to support follow-on production. Continue A3 prototype development.										

ARMY RDT&E COST ANALYSIS (R3)										February 2006		
BUDGET ACTIVITY			PE NUMBER AND TITLE							PROJECT		
5 - System Development and Demonstration			0604622A - Family of Heavy Tactical Vehicles							E49		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Technical Improvement Development - Government	IN HOUSE	TACOM, Warren, MI	692	600	1-4Q	400	1-4Q	0		0	0	0
Technical Improvement Development - Contractor	CPFF	Oshkosh Truck Corp., Oshkosh, WI	15392	3800	4Q	1300	3Q	0		0	0	0
Technical Improvement Prototypes	CPFF	Oshkosh Truck Corp., Oshkosh, WI	4084	1442	4Q	3100	3Q	0		0	0	0
Condition Based Maintenance Development	CPFF	DRS Laurel	2544	0		0		0		0	2544	0
Subtotal:			22712	5842		4800		0		0	2544	0
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
In-House Support	In-House	TACOM, Warren, MI	0	325	1-4Q	600		0		0	0	0
Subtotal:			0	325		600		0		0	0	0
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
HEMTT Technical Improvement Testing	MIPR	APG, Aberdeen, MD	80	0		1500	4Q	0		0	0	0
Test of HEMTT advanced technology improvements	CONTRACT	Oshkosh, WI	2109	540	3Q	540	3Q	0		0	0	0
Advanced Drivetrain prototype developing and testing	CONTRACT	TBD	0	0		1038	2-3Q	0		0	0	0
Subtotal:			2189	540		3078		0		0	0	0

ARMY RDT&E COST ANALYSIS (R3)									February 2006			
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 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									
Project Total Cost:			24901	6707		8478		0		0	2544	0

Schedule Profile (R4 Exhibit)																	February 2006																		
BUDGET ACTIVITY								PE NUMBER AND TITLE																	PROJECT										
5 - System Development and Demonstration								0604622A - Family of Heavy Tactical Vehicles																	E49										
Event Name								FY 05				FY 06				FY 07				FY 08				FY 09				FY 10				FY 11			
								1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
HEMTT TI Development																																			
HEMTT TI Prototvpes																																			
HEMTT TI Testing																																			
Government Test to support production decision																																			
Production																																			
FUE																																			
Advanced Drivetrain prototype development and testing																																			
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Schedule Detail (R4a Exhibit)					February 2006		
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 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>
HEMTT Technical Improvement development	1-4Q	1-4Q	1Q				
HEMTT Technical Improvement Prototypes	1-4Q	1-4Q	1Q				
HEMTT Technical Improvement Testing	1-4Q	1-4Q					
Government Test to support production decision			1-3Q				
Production				3Q	1-4Q	1-4Q	1-4Q
FUE					1Q		
Advanced Drivetrain prototype development and testing		3Q	1-3Q				

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)								February 2006																																									
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles				PROJECT E50																																									
COST (In Thousands)	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total Cost																																								
E50 TRAILER DEVELOPMENT	1500	3142	1024	1025	1024	2070	2069	0	12794																																								
A. Mission Description and Budget Item Justification: This program element supports continued modernization of the Army's trailer fleets. The funds support continuous product improvements, technology insertion, and new capabilities for tactical trailers. FY2007 funding will include continued technical insertion of the current tactical trailer fleet, such as lighter weight materials and new suspension technologies, as well as development of a strategy for semitrailer modernization by creating a scalable (modular) semitrailer or Family of Scalable Trailers (FAST) that could replace a variety of different models. Improved trailers are more able to match the capabilities of today's improved tractors or tactical vehicles.																																																	
<u>Accomplishments/Planned Program</u>						<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>																																									
Program Management						700	500	100																																									
Current fleet technical insertion.						100	300	300																																									
Design, develop and build System Prototype Demonstrator Trailer(s)						700	2342	624																																									
Total						1500	3142	1024																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;"><u>B. Other Program Funding Summary</u></td> <td style="text-align: center; padding: 5px;">FY 2005</td> <td style="text-align: center; padding: 5px;">FY 2006</td> <td style="text-align: center; padding: 5px;">FY 2007</td> <td style="text-align: center; padding: 5px;">FY 2008</td> <td style="text-align: center; padding: 5px;">FY 2009</td> <td style="text-align: center; padding: 5px;">FY 2010</td> <td style="text-align: center; padding: 5px;">FY 2011</td> <td style="text-align: center; padding: 5px;">To Compl</td> <td style="text-align: center; padding: 5px;">Total Cost</td> </tr> <tr> <td style="padding: 5px;">OPA 1 D00700 Semi-Trailer LB 40T M870A3</td> <td style="text-align: center; padding: 5px;">706</td> <td style="text-align: center; padding: 5px;">687</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;">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;">1393</td> </tr> <tr> <td style="padding: 5px;">OPA 1 D01500 Semi-Trailer Flatbed 22.5T M871A3</td> <td style="text-align: center; padding: 5px;">6412</td> <td style="text-align: center; padding: 5px;">4836</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;">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;">11248</td> </tr> <tr> <td style="padding: 5px;">OPA 1 D01600 Semi-Trailer Flatbed 34T M872A4</td> <td style="text-align: center; padding: 5px;">1781</td> <td style="text-align: center; padding: 5px;">1629</td> <td style="text-align: center; padding: 5px;">7565</td> <td style="text-align: center; padding: 5px;">6297</td> <td style="text-align: center; padding: 5px;">7687</td> <td style="text-align: center; padding: 5px;">3960</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;">28919</td> </tr> </table>										<u>B. Other Program Funding Summary</u>	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Compl	Total Cost	OPA 1 D00700 Semi-Trailer LB 40T M870A3	706	687	0	0	0	0	0	0	1393	OPA 1 D01500 Semi-Trailer Flatbed 22.5T M871A3	6412	4836	0	0	0	0	0	0	11248	OPA 1 D01600 Semi-Trailer Flatbed 34T M872A4	1781	1629	7565	6297	7687	3960	0	0	28919
<u>B. Other Program Funding Summary</u>	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Compl	Total Cost																																								
OPA 1 D00700 Semi-Trailer LB 40T M870A3	706	687	0	0	0	0	0	0	1393																																								
OPA 1 D01500 Semi-Trailer Flatbed 22.5T M871A3	6412	4836	0	0	0	0	0	0	11248																																								
OPA 1 D01600 Semi-Trailer Flatbed 34T M872A4	1781	1629	7565	6297	7687	3960	0	0	28919																																								
Comment: Initial efforts relate to flatbed trailers; however, any member of the tactical trailer fleet may be affected.																																																	
C. Acquisition Strategy Conduct feasibility testing on existing tactical semi-trailers. Identify enhanced transportability and safety concepts and other responses to field issues. Modify existing equipment or develop new equipment. The ultimate goal is to develop and test improvements, acquire necessary technical data, and place improved hardware into production.																																																	

ARMY RDT&E COST ANALYSIS (R3)										February 2006		
BUDGET ACTIVITY			PE NUMBER AND TITLE							PROJECT		
5 - System Development and Demonstration			0604622A - Family of Heavy Tactical Vehicles							E50		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Program Integrator	Firm Fixed Price (FFP)	Kalyn Siebert Gatesville, TX	175	0		0		0		0	175	0
Program Management	In-House	TACOM-WRN	200	700	2-4Q	500		100		0	0	0
Enhanced M800 Series Semi-Trailer	Firm Fixed Price (FFP)	Davis Technologies, Inc, Addison, TX	120	0		0		0		0	120	0
Current fleet technical insertion	Firm Fixed Price (FFP)	Williams EZ Hitch, Durham, NC	0	100	3Q	300	2Q	300	2Q	0	700	0
Design, develop and build System Prototype Demonstrator Trailer(s)	Firm Fixed Price (FFP)	American Systems Technology, Inc, Troy, MI	0	700	2Q	0		0		0	700	0
Design, develop and build System Prototype Demonstrator Trailers	TBD	TBD	0	0		2342	2Q	624	2Q	0	0	0
Subtotal:			495	1500		3142		1024		0	1695	0
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
M870A3 Suspension testing	MIPR	Yuma Proving Ground, Yuma, AZ	445	0		0		0		0	445	0
Subtotal:			445	0		0		0		0	445	0

ARMY RDT&E COST ANALYSIS (R3)									February 2006				
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604622A - Family of Heavy Tactical Vehicles								PROJECT E50	
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract	
Subtotal:			0										
Project Total Cost:			940	1500		3142		1024		0	2140	0	

Schedule Detail (R4a Exhibit)						February 2006	
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 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>
Build System Prototype Demonstrator	1Q						
Drawing Development	1-3Q						
Critical Design Review (CDR)	1Q						
Technical Feasibility Test	2Q						
Technical Insertion and TDP Development	4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
ECP Production Cut-In		4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
MWO Field Retrofit		4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q