Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

2040: Research, Development, Test & Evaluation, Army

PE 0604622A: Family of Heavy Tactical Vehicles

BA 5: Development & Demonstration (SDD)

COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	4.550	9.826	3.519	0.000	3.519	3.454	3.598	3.764	3.956	Continuing	Continuing
659: FAMILY OF HVY TAC VEH	0.000	5.671	2.135	0.000	2.135	0.000	0.000	0.000	0.000	Continuing	Continuing
65A: MOVEMENT TRACKING SYSTEM (MTS)	3.422	1.361	1.132	0.000	1.132	1.495	1.601	1.731	1.892	Continuing	Continuing
E50: TRAILER DEVELOPMENT	1.128	2.794	0.252	0.000	0.252	1.959	1.997	2.033	2.064	Continuing	Continuing

A. Mission Description and Budget Item Justification

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 will also be used for developing the Army's next generation of tactical truck, as part of the Army's Tactical Wheeled Vehicle Modernization Strategy. 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.

B. Program Change Summary (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	4.487	7.477	5.287	0.000	5.287
Current President's Budget	4.550	9.826	3.519	0.000	3.519
Total Adjustments	0.063	2.349	-1.768	0.000	-1.768
 Congressional General Reductions 		0.000			
 Congressional Directed Reductions 		0.000			
 Congressional Rescissions 	0.000	0.000			
 Congressional Adds 		2.168			
 Congressional Directed Transfers 		0.000			
 Reprogrammings 	0.000	0.000			
 SBIR/STTR Transfer 	0.063	0.181			
 Adjustments to Budget Years 	0.000	0.000	-1.768	0.000	-1.768

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Army DATE: February 2010									
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604622A: Family of Heavy Tactical Vehicles								
<u>Change Summary Explanation</u> Change Summary Explanation: Funding - FY 2011: Funds realigned	to higher priority Army requirements.								

DATE: February 2010

		•									
APPROPRIATION/BUDGET ACTIV 2040: Research, Development, Test & E BA 5: Development & Demonstration (NOMENCLA A: Family of I		ıl Vehicles	PROJECT 659: FAMILY OF HVY TAC VEH						
COST (\$ in Millions) FY 2009 FY 2010 Base Actual Estimate Estimate				FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
659: FAMILY OF HVY TAC VEH	0.000	5.671	2.135	0.000	2.135	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army

The existing Heavy Tactical Vehicle programs require insertion of mature, state-of-the-art technologies. FY 11 funds will provide for the demonstration, design evaluations and testing to provide increased capability to enable a more agile, flexible, full spectrum movement of supplies and equipment across the range of military operations throughout the battlefield.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #1	0.000	0.500	0.000	0.000	0.000
Reliability Growth and Study Analysis: The HTVs are required to be operationally reliable in excess of three times the operational reliability of its predecessor. Reliability growth will be studied through analysis of military, U.S. commercial, and foreign commercial trucks. The study will evaluate drivelines, suspension, fuel management, and vehicle maintenance systems and practices that result in peak system performance. The results of the reliability growth study will be used to revise vehicle designs, incorporate proven maintenance methodologies for maintaining HTVs when stored and in use, and to evaluate the reliability requirement of HTVs in terms of the impact of the cost of reliability growth over the system life cycle. FY 2009 Accomplishments: FY 2010 Plans: FY 2010 Base Plans:					
FY 2011 Base					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: Febr	uary 2010	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604622A: Family of Heavy Tactical	Y OF HVY TAC VEH				
B. Accomplishments/Planned Program (\$ in Millions)			'			
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 OCO Plans: FY 2011 OCO						
Program #2		0.000	5.057	2.135	0.000	2.135
Suspension and Chassis enhancements will balance chassis weight distrib chassis and fuel tank protective applique armor. Fuel Tank development design to direct fuel away from the crew compartment during a mine, IED technology from prior program activity and market will be leveraged and vehicle that will evaluate and assess required user defined capability grow technologies for incorporation into the RECAP production environment. FY 2009 Accomplishments: FY 2010 Plans: FY 2010 Plans: FY 2011 Base Plans:	will center on optimizing fuel tank), or targeted blast event. Vehicle integrated into a concept demonstration					
FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						
Program #3		0.000	0.114	0.000	0.000	0.000
Small Business Innovative Researc / Small Business Technology Transfer	r Programs (SBIR / STTR)					
FY 2009 Accomplishments: FY 2009						

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army	DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0604622A: Family of Heavy Tactical Vehicles	659: <i>FAMIL</i>	Y OF HVY TAC VEH
BA 5: Development & Demonstration (SDD)			

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2010 Plans:					
FY 2010					
FY 2011 Base Plans:					
FY 2011 Base					
FY 2011 OCO Plans:					
FY 2011 OCO					
Accomplishments/Planned Programs Subto	otals 0.000	5.671	2.135	0.000	2.135

C. Other Program Funding Summary (\$ in Millions)

			FY 2011	FY 2011	FY 2011					Cost To	
<u>Line Item</u>	FY 2009	FY 2010	Base	OCO	<u>Total</u>	FY 2012	FY 2013	FY 2014	FY 2015	Complete	Total Cost
• Ord. #1: <i>OPA1 DA0500, Family of</i>	1,974.995	1,414.211	549.741	188.677	738.418	704.960	12.682	68.076	160.770	0	5,074.112
Heavy Tactical Vehicles (FHTV)											

D. Acquisition Strategy

The Reliability Growth study will be a NAC/TARDEC effort or contracted to an independent third party. The requirement of the study will be written into a SOW by 2nd Qtr FY10, with a planned award by 3rd Qtr FY10. For the Hardware Development Projects, each project will be proceeded by informal market research. Existing technologies will be researched and compared to systems in use in the US Military. Specific scope of work requirements for each project will be developed and refined as data is gathered.

E. Performance Metrics

Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

2040: Research, Development, Test & Evaluation, Army

PE 0604622A: Family of Heavy Tactical Vehicles

659: FAMILY OF HVY TAC VEH

BA 5: Development & Demonstration (SDD)

Product Development (\$ in Millions)

				FY :	2010		2011 ase		2011 CO	FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Reliability Growth Study and Analysis	C/TBD	TBD Location could not be determined.	0.000	0.500		0.000		0.000		0.000	Continuing	Continuing	0
Suspension and Chassis Enhancements	C/TBD	TBD Location could not be determined.	0.000	5.171		1.635		0.000		1.635	Continuing	Continuing	0
		Subtotal	0.000	5.671		1.635		0.000		1.635			0.000

Remarks

Test and Evaluation (\$ in Millions)

	,	/											,
				FY 2	2010	FY :	2011 ase	FY 2	2011 CO	FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Demonstration Vehicle System	С	Aberdeen Proving Grounds MD	0.000	0.000		0.500		0.000		0.500	Continuing	Continuing	0
		Subtotal	0.000	0.000		0.500		0.000		0.500			0.000

Remarks

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army	DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0604622A: Family of Heavy Tactical Vehicles	659: <i>FAMIL</i>	Y OF HVY TAC VEH
BA 5: Development & Demonstration (SDD)			

	Total Prior Years Cost		2010	FY Ba	2011 ase	FY 2011 OCO	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Total	0.000	5.671		2.135		0.000	2.135			0.000

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2011 Army

DATE: February 2010

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE PROJECT

2040: Research, Development, Test & Evaluation, Army
BA 5: Development & Demonstration (SDD)

PE 0604622A: Family of Heavy Tactical Vehicles
659: FAMILY OF HVY TAC VEH

	FY 2009			FY 2010			FY 2011			FY 2012			2	FY 2013			3	FY 2014		ı	FY 2015		5					
	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
Reliability Growth Study and Analysis							#	#	#	#	#	#	#															
Design, Develop and Build								#	#	#	#	#	#	#	#													
Design, Develop and Build Demonstration Vehicle System								#	#	#	#	#	#	#	#													
Test and Evaluation												#	#	#	#													

Exhibit R-4A, RDT&E Schedule Details: PB 2011 Army			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0604622A: Family of Heavy Tactical Vehicles	659: <i>FAMIL</i>	Y OF HVY TAC VEH
BA 5: Development & Demonstration (SDD)			

Schedule Details

	Sta	art	E	nd
Event	Quarter	Year	Quarter	Year
Reliability Growth Study and Analysis	3	2010	1	2012
Design, Develop and Build	4	2010	3	2012
Design, Develop and Build Demonstration Vehicle System	4	2010	3	2012
Test and Evaluation	4	2011	3	2012

DATE: February 2010

Exhibit K-2A, KDT &E TTOJECT Justi	incation. 1 D 2	Oll Alliny							DATE. I COL	uary 2010	
APPROPRIATION/BUDGET ACT 2040: Research, Development, Test & BA 5: Development & Demonstration	Evaluation, Ar	ту			NOMENCLA A: Family of I	TURE Heavy Tactica	l Vehicles	PROJECT 65A: MOVE	MENT TRAC	KING SYSTE.	M (MTS)
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
65A: MOVEMENT TRACKING SYSTEM (MTS)	3.422	1.361	1.132	0.000	1.132	1.495	1.601	1.731	1.892	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

Exhibit R-2A RDT&E Project Justification: PB 2011 Army

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. FY08/09 funding supported development of block modifications on the MTS. This block modification will develop and test required interfaces to Transportation Coordinator's Automated Information for Movement System (TC AIMS II) (direct electronic interface) and Global Combat Support System-Army(GCSS-Army) (direct electronic interface). FY10/11 funding continues interface development & testing.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #1	3.347	1.223	0.982	0.000	0.982
Development of block modifications on the Movement Tracking System					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: Febr	uary 2010	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604622A: Family of Heavy Tactical Vehicles	PROJECT 65A: MOVE	MENT TRACI	KING SYSTE	M (MTS)
B. Accomplishments/Planned Program (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 OCO Plans: FY 2011 OCO					
Program #2	0.000	0.100	0.150	0.000	0.150
System Testing					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #3	0.073	0.038	0.000	0.000	0.000
Small Business Innovative Research/Small Business Technology Transfer	Programs (SBIR/STTR)				
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0604622A: Family of Heavy Tactical Vehicles	65A: <i>MOVE</i>	MENT TRACKING SYSTEM (MTS)
BA 5: Development & Demonstration (SDD)			

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Accomplishments/Planned Programs Subtotals	3.422	1.361	1.132	0.000	1.132

C. Other Program Funding Summary (\$ in Millions)

			FY 2011	FY 2011	FY 2011					Cost To	
<u>Line Item</u>	FY 2009	FY 2010	Base	OCO	<u>Total</u>	FY 2012	FY 2013	FY 2014	FY 2015	Complete	Total Cost
• Ord. #1: <i>OPA1 D16103000</i> ,	234.267	78.377	93.736	0.000	93.736	71.677	53.922	43.003	45.936	Continuing	Continuing
Movement Tracking System (MTS)											

D. Acquisition Strategy

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.

E. Performance Metrics

Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)

PE 0604622A: Family of Heavy Tactical Vehicles

65A: MOVEMENT TRACKING SYSTEM (MTS)

Product Development (\$ in Millions)

				FY	2010	FY :	2011 ase	FY :	2011 CO	FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software development, engineering, testing, program management	С	Comtech Mobile Datacom Corp. Germantown, MD	8.798	0.887		0.982		0.000		0.982	Continuing	Continuing	0
		Subtotal	8.798	0.887		0.982		0.000		0.982			0.000

Remarks

Test and Evaluation (\$ in Millions)

				FY	2010	FY 2 Ba	2011 ase	FY 2	2011 CO	FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Testing	С	Electronic Proving Ground Yuma, AZ	2.007	0.474		0.150		0.000		0.150	1.079	4.140	0
		Subtotal	2.007	0.474		0.150		0.000		0.150	1.079	4.140	0.000

Remarks

	Total Prior Years Cost	FY 2	2010	FY 2011 Base	FY:	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	10.805	1.361		1.132	0.000	1.132			0.000

Exhibit R-3, RDT&E Project Cost Analysis: PB 20	DA	DATE: February 2010									
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Art BA 5: Development & Demonstration (SDD)	my		R-1 ITEM NOMENCLATURE PE 0604622A: Family of Heavy Tactical Vehicles				PROJECT 65A: MOVEMENT TRACKING SYSTEM (MTS)				
	Total Prior Years Cost	FY 20)10	FY 2011 Base	FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks											

DATE: February 2010

		<u> </u>									
APPROPRIATION/BUDGET ACTI 2040: Research, Development, Test & I BA 5: Development & Demonstration (NOMENCLA A: Family of I	ATURE Heavy Tactica	ıl Vehicles	PROJECT E50: TRAILER DEVELOPMENT						
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
E50: TRAILER DEVELOPMENT	1.128	2.794	0.252	0.000	0.252	1.959	1.997	2.033	2.064	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army

This program element supports continued modernization of the Army's trailer fleet. The FY 2011 funds support development and integration of emerging state of the art technology improvements and new capabilities. FY 2011 funding will develop, design and build prototype to meet Army operational capability gaps identified by CASCOM, and also will support continued insertion of new technology to the current fleet, including testing. Other on-going technologies being looked at are corrosion prevention and modularity and transportability enhancements such as improved suspension. Modernized trailers are better able to match the capabilities of today's improved tactical wheeled vehicles and tractors.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #1	0.000	0.000	0.252	0.000	0.252
Program Management					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010					
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604622A: Family of Heavy Tactical	l Vehicles	PROJECT E50: TRAIL	ER DEVELOF	PMENT			
B. Accomplishments/Planned Program (\$ in Millions)			,					
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total		
Program #2		0.200	0.000	0.000	0.000	0.000		
Current fleet technical insertion and testing								
FY 2009 Accomplishments: FY 2009								
FY 2010 Plans: FY 2010								
FY 2011 Base Plans: FY 2011 Base								
FY 2011 OCO Plans: FY 2011 OCO								
Program #3		0.102	0.000	0.000	0.000	0.000		
Design, develop and build System Prototype Demonstrator Trailer(s)								
FY 2009 Accomplishments: FY 2009								
FY 2010 Plans: FY 2010								
FY 2011 Base Plans: FY 2011 Base								
FY 2011 OCO Plans: FY 2011 OCO								

UNCLASSIFIED

R-1 Line Item #83 Page 16 of 21 748 of 1922

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: Febr	uary 2010	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604622A: Family of Heavy Tactica	l Vehicles	PROJECT E50: TRAILE	ER DEVELOF	PMENT	
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #4		0.775	0.000	0.000	0.000	0.000
Design and develop VIPER Mobile Power Project						
FY 2009 Accomplishments: FY 2009						
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						
Program #5		0.000	2.765	0.000	0.000	0.000
Design, develop, build and test trailers						
FY 2009 Accomplishments: FY 2009						
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						

UNCLASSIFIED

R-1 Line Item #83 Page 17 of 21 749 of 1922

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0604622A: Family of Heavy Tactical Vehicles	E50: TRAIL	ER DEVELOPMENT
BA 5: Development & Demonstration (SDD)			

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #6	0.051	0.029	0.000	0.000	0.000
Small Business Innovative Research/Small Business Technology Transfer Programs					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Accomplishments/Planned Programs Subtotals	1.128	2.794	0.252	0.000	0.252

C. Other Program Funding Summary (\$ in Millions)

			FY 2011	FY 2011	FY 2011					Cost To	
<u>Line Item</u>	FY 2009	FY 2010	Base	<u>oco</u>	Total	FY 2012	FY 2013	FY 2014	FY 2015	Complete	Total Cost
• Ord. #1: OPA 1 D01500 Semi-	6.464	2.390	0.000	0.000	0.000	0.000	0.725	0.751	0.000	Continuing	Continuing
Trailer Flatbed 22.5T M871A3											
• Ord. #2: OPA 1 D01600 Semi-	96.779	10.972	0.000	0.000	0.000	0.000	0.724	0.000	0.000	Continuing	Continuing
Trailer Flatbed 34T M872A4											

D. 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.

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604622A: Family of Heavy Tactical Vehicles	PROJECT E50: TRAILER DEVELOPMENT
E. Performance Metrics		
Performance metrics used in the preparation of this justification mate	rial may be found in the FY 2010 Army Performance Budget I	Sustification Book, dated May 2010.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)

PE 0604622A: Family of Heavy Tactical Vehicles

E50: TRAILER DEVELOPMENT

Product Development (\$ in Millions)

_	,	•	_										
				FY :	FY 2010		FY 2011 Base		FY 2011 OCO				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	С	TACOM-WRN Location could not be determined.	3.293	0.000		0.252		0.000		0.252	Continuing	Continuing	0
Design, develop and build System Prototype Demonstrator Trailers	С	TARDEC-WRN Location could not be determined.	1.949	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Design, develop, build and test trailers	C/TBD	TBD Location could not be determined.	0.000	2.794		0.000		0.000		0.000	Continuing	Continuing	0
Design and development of VIPER Mobile Power	C/TBD	TBD Location could not be determined.	0.000	0.000		0.000		0.000		0.000	Continuing	Continuing	0
		Subtotal	5.242	2.794		0.252		0.000		0.252			0.000

Remarks

Test and Evaluation (\$ in Millions)

Test and Evaluation () III 1411111011	3)											
				FY 2	2010	FY 2011 Base				FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Improved Lighting Rqmts	С	TARDEC Warren, Michigan	0.783	0.000		0.000	0.000			0.000	Continuing	Continuing	0
	С		0.000	0.000		0.000		0.000		0.000	Continuing	Continuing	0

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0604622A: Family of Heavy Tactical Vehicles	E50: TRAILE	ER DEVELOPMENT
BA 5: Development & Demonstration (SDD)			

Test and Evaluation (\$ in Millions)

			FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Design, develop, build and test trailers.		Aberdeen Proving Grounds MD											
		Subtotal	0.783	0.000		0.000		0.000		0.000			0.000

Remarks

	Total Prior Years Cost	FY 2010	FY 2	2011 ase	FY 2	2011 CO	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	6.025	2.794	0.252		0.000		0.252			0.000

Remarks