Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

2040: Research, Development, Test & Evaluation, Army I BA 5: System

PE 0604622A I Family of Heavy Tactical Vehicles

Date: March 2014

Development & Demonstration (SDD)

COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	17.975	28.310	12.913	-	12.913	7.624	6.935	6.907	6.774	-	87.438
659: Family Of Hvy Tac Veh	-	15.046	26.262	9.304	-	9.304	2.955	2.958	2.960	2.963	-	62.448
VR5: TWV Protection Kits	-	2.929	2.048	3.609	-	3.609	4.669	3.977	3.947	3.811	-	24.990

[#] The FY 2015 OCO Request will be submitted at a later date.

Note

FY15 decrement for higher priorities.

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 trucks, as part of the Army's Tactical Wheeled Vehicle Modernization Strategy. Funding in Project 659 supports the Family of Heavy Trucks (FHTV) Heavy Dump Truck (HDT). Funding in Project VR5 supports periodic, evolutionary upgrade of survivability and crew protection for Heavy Tactical Vehicles as described in the Long Term Protection Strategy.

B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	3.077	21.321	14.511	-	14.511
Current President's Budget	17.975	28.310	12.913	-	12.913
Total Adjustments	14.898	6.989	-1.598	-	-1.598
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
 Reprogrammings 	-	-			
SBIR/STTR Transfer	-	-			
Other Adjustments 1	14.898	6.989	-1.598	-	-1.598

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Exhibit R-2A, RDT&E Project Ju	stification	: PB 2015 A	rmy							Date: Marc	ch 2014	
Appropriation/Budget Activity 2040 / 5					_		t (Number/ ∕ of Heavy 7	•	Project (N 659 / Fami		,	
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
659: Family Of Hvy Tac Veh	-	15.046	26.262	9.304	-	9.304	2.955	2.958	2.960	2.963	-	62.448
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

^{*} The FY 2015 OCO Request will be submitted at a later date.

Note

Army

Family of Heavy Tactical Vehicles (FHTV) Heavy Dump Truck (HDT)

Mine Resistant Ambush Protected (MRAP) Vehicle

A. Mission Description and Budget Item Justification

The Heavy Dump Truck (HDT) supports construction projects by loading, transporting and dumping payloads of sand and gravel aggregates, crushed rock, hot asphalt mixes, earth, clay, rubble, large boulders and other materials up to gross vehicle weight rating to job sites under worldwide climatic conditions. The HDT also serves as a quarry truck for the quick transport of bulk raw earth material to and from the crushing screening and washing plant and the asphalt mixing plant. The HDT also serves as a transportation asset for organizational equipment. The HDT is LTAS compliant with armored protection and includes a material control system coupled with the heated bed and Command, Control, Communications, Computers, and Intelligence (C4I) electrical architecture.

APO MRAP will execute R&D funding on survivability, mobility and storage technologies to improve current capabilities.

The HDT is required to replace the M917 and F5070 HDT.

FY15 funding will be used for test assets, PM support, and various testing for the HDT.

Title: Heavy Dump Truck (HDT) Article	-	5.410	
Article Articl			-
Artici	·s: -	_	-
Description: Truck Test Assets			
FY 2014 Plans:			
Test and Evaluation			
Title: Test and Evaluation (HDT)	-	3.545	6.564
Article	·s: -	_	-

PE 0604622A: Family of Heavy Tactical Vehicles

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•	JNCLASSIFIED				
Exhibit R-2A, RDT&E Project Justification: PB 2015 Army			Date: N	larch 2014	
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604622A I Family of Heavy Tactical Vehicles		ct (Number/N Family Of Hv		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantitie	s in Each)		FY 2013	FY 2014	FY 2015
Description: Test and Evaluation					
FY 2014 Plans: Test and Evaluation					
FY 2015 Plans: Test and Evaluation					
Title: Program Support (HDT)	A	rticles:	0.046 -	0.950 -	0.150 -
Description: Program support.					
FY 2013 Accomplishments: Funds will provide program support to the Heavy Tactical Vehicles family.					
FY 2014 Plans: Funds will provide program support to the Heavy Tactical Vehicles family.					
FY 2015 Plans: Funds will provide program support to the Heavy Tactical Vehicles family.					
Title: Prototype Design and Integration (HDT)	A	rticles:	-	9.367 -	2.590 -
Description: Prototype Design and Integration					
FY 2014 Plans: Prototype Design and Integration					
FY 2015 Plans: Prototype Design and Integration					
Title: Maxx Pro & MATV	A	rticles:	15.000 -	6.990 -	-
Description: Maxx Pro & MATV Test and Development					
FY 2013 Accomplishments:					

PE 0604622A: Family of Heavy Tactical Vehicles Army

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Exhibit R-2A, RDT&E Project Justi	fication: PB	2015 Army							Date: M	arch 2014	
Appropriation/Budget Activity 2040 / 5					04622A <i>I Fa</i>	nent (Numb mily of Heav		_	ct (Number/N Family Of Hvy	•	
B. Accomplishments/Planned Prog Maxx Pro & MATV Test and Develop	•	Millions, Art	icle Quantit	ies in Each)				FY 2013	FY 2014	FY 2015
FY 2014 Plans: Maxx Pro & MATV Test and Develop											
				Accon	nplishments	s/Planned P	rograms Sเ	ubtotals	15.046	26.262	9.304
C. Other Program Funding Summa	ary (\$ in Milli	ons)									
	- 1/ 00/0		FY 2015	FY 2015	FY 2015	- >/ 00/40	=><			Cost To	•
<u>Line Item</u>	FY 2013	FY 2014	<u>Base</u>	<u>000</u>	<u>Total</u>	FY 2016	FY 2017	FY 201	18 FY 2019		Total Cost
 Family of Heavy Tactical 	52.863	14.731	28.425	-	28.425	33.449	45.562	7.23	37 0.007	Continuing	Continuing
Vehicles: Family of Heavy											
Tactical Vehicles (FHTV) DA0500											
• Truck, Dump: <i>Truck,</i>	-	-	-	-	-	22.926	26.970	29.98	32 22.958	3 Continuing	Continuing

• Mine Resistant Ambush Protected: Mine Resistant Ambush Protected (MRAP) Mods (D03002)

158.804

373.240

14.731

Dump, 20T D16001

Remarks

D. Acquisition Strategy

Funds will provide test assets, design and integration of Military specific requirements; test and evaluation; and program management in support of FHTV - Heavy Dump Truck (HDT).

14.731

7.252

Funds will provide test and evaluation, armor and underbody development and technology improvements in support of MRAP Vehicles - Maxx Pro and M-ATV.

E. Performance Metrics

N/A

PE 0604622A: Family of Heavy Tactical Vehicles Army

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R-1 Line #89

1.991

556.018

						ICLAS											
Exhibit R-3, RDT&E F			015 Army	/									Date: March 2014				
Appropriation/Budge 2040 / 5	t Activity	l					4622A <i>I F</i>		lumber/Na Heavy Tad			t (Numbe amily Of F	eh				
Management Service	s (\$ in M	lillions)		FY 2	2013	FY :	2014		2015 ase		2015 CO	FY 2015 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contrac		
HDT Prototype Design and Integration	C/FFP	TBD : TBD	0.000	-		9.367	May 2015	2.590	May 2015	-		2.590	-	11.957	-		
		Subtotal	0.000	-		9.367		2.590		-		2.590	-	11.957	-		
Product Developmen	nt (\$ in M	illions)		FY 2	2013	FY 2	2014		2015 ase		2015 CO	FY 2015 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract		
Heavy Dump Truck (HDT) Test Assets	C/FFP	TBD : TBD	0.000	-		5.410	May 2015	-		-		-	-	5.410	-		
Maxx Pro & MATV Development	MIPR	Various : Various	0.000	-		5.000	Apr 2014	-		-		-	-	5.000	-		
Maxx Pro & MATV Armor Development	MIPR	Various : TARDEC/ Various	0.000	8.597	Aug 2013	-		-		-		-	-	8.597	-		
		Subtotal	0.000	8.597		10.410		-		-		-	-	19.007	-		
Support (\$ in Millions	s)			FY 2	2013	FY 2	2014		2015 ase		2015 CO	FY 2015 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract		
HDT Program Support	MIPR	TACOM: Warren, MI	0.000	0.046	Dec 2012	0.950	Oct 2014	0.150	Dec 2014	-		0.150	Continuing	Continuing	Continuin		
Maxx Pro & MATV Program Support Costs	MIPR	TARDEC : Warren, MI	0.000	2.721	Aug 2013	-		-		-		-	-	2.721	-		
		Subtotal	0.000	2.767		0.950		0.150		-		0.150	-	-	-		
Test and Evaluation ((\$ in Milli	ions)		FY 2	2013	FY 2	2014		2015 ase		2015 CO	FY 2015 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract		
HDT Test and Evaluation	MIPR	TBD : TBD	0.000			3.545	Jul 2015	6.564	Oct 2015		+	6.564			Continuin		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army		Date: March 2014
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)
2040 / 5	PE 0604622A I Family of Heavy Tactical Vehicles	659 I Family Of Hvy Tac Veh

Test and Evaluation	(\$ in Milli	ons)		FY 2	2013	FY 2	2014	FY 2 Ba		FY 2	2015 CO	FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Maxx Pro & MATV Test	MIPR	Various : Various	0.000	3.682	Aug 2013	-		-		-		-	-	3.682	-
Maxx Pro & MATV Test	MIPR	Various : TARDEC/ Various	0.000	-		1.990	Apr 2014	-		-		-	-	1.990	-
		Subtotal	0.000	3.682		5.535		6.564		-		6.564	-	-	-
		-													T
			Prior					FY 2	2015	FY 2	2015	FY 2015	Cost To	Total	Target Value of

 Prior Years
 FY 2013
 FY 2014
 FY 2015 Base
 FY 2015 OCO
 FY 2015 Total
 Cost To Complete Cost Total
 Total Complete Cost Total
 Contract Contract

 Project Cost Totals
 0.000
 15.046
 26.262
 9.304
 9.304

Remarks

PE 0604622A: Family of Heavy Tactical Vehicles Army

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Exhibit R-4, RDT&E Schedule Profile: PB 20	15 Army	/																			Dat	e: M	larc	h 20	14		
Appropriation/Budget Activity 2040 / 5							PI		04	g ram E 622A /										ct (Number/Name) Family Of Hvy Tac Veh							
		FY	2013		F	Y 20)14		F	FY 201	5		FY	201	6		FY	201	7		FY	2018	8		FY 2	019	
	1	2	3	4	1	2	3	4 1	1	2 3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Heavy Dump Truck (HDT) Test Assets		'				,	,			'									,								
HDT Program Management Support																											
HDT Prototype Design and Integration																											
HDT Testing																											
Maxx Pro & MATV Development																											
Maxx Pro & MATV Test FY14																											

Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army			Date: March 2014
,	, ,	, , ,	umber/Name) ily Of Hvy Tac Veh

Schedule Details

	St	art	Year Quarter 2015 4 2013 4	
Events	Quarter	Year	Quarter	Year
Heavy Dump Truck (HDT) Test Assets	4	2015	4	2015
HDT Program Management Support	1	2013	4	2015
HDT Prototype Design and Integration	4	2015	1	2016
HDT Testing	2	2016	4	2016
Maxx Pro & MATV Development	2	2014	2	2015
Maxx Pro & MATV Test FY14	2	2014	2	2015

Exhibit R-2A, RDT&E Project Ju	stification	: PB 2015 A	rmy							Date: Marc	ch 2014	
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604622A I Family of Heavy Tactical Vehicles Project (Number/Name) VR5 I TWV Protection Kits							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
VR5: TWV Protection Kits	-	2.929	2.048	3.609	-	3.609	4.669	3.977	3.947	3.811	-	24.990
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

^{*}The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

This program element supports periodic, evolutionary upgrade of survivability and crew protection for Heavy Tactical Vehicles (HTV) as described in the Tactical Wheeled Vehicle (TWV) Strategy and individual variants' Capability Production Documents. The upgrades will leverage the Army Technology Objective's (ATO) survivability and Army Research Laboratory's (ARL) research and development activities to develop and evaluate kits which increase the protection level of the HTV to the MRAP 1.1 level while anticipating changing threat environments, protection gaps, or improving the operating performance, efficiency, and reliability through armor weight reduction.

FY15 funding will be used to develop and test an armored solution for the newly produced Heavy Equipment Transporter (HET).

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
Title: Design and Build Armor Kits.	-	1.878	2.939
Articles:	-	-	-
Description: Design and build prototype kits for the Heavy Tactical Vehicle systems.			
FY 2014 Plans: Design and build prototype kits that represent production alternatives in terms of form, fit, and function sufficient to validate the			
required protection levels and kit interface to the vehicle platform.			
FY 2015 Plans:			
Design and build prototype kits in terms of form, fit, and function sufficient to validate the required protection levels and kit interface to the vehicle platform.			
Title: Test and Evaluation.	2.752	-	0.500
Articles:	-	-	-
Description: Funding is provided for the following effort.			
FY 2013 Accomplishments:			

PE 0604622A: Family of Heavy Tactical Vehicles

Army

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Appropriation/Budget Activity 2040 / 5 R.1 Program Element (Number/Name) PE 0604622A / Family of Heavy Tactical Vehicles FY 2 B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) Continuation of test and evaluation of Tactical Wheel Vehicle protection kits. It consists of ballistic evaluations, automotive performance, and durability mileage sufficient to assess kit performance against established vehicle and ballistic requirements. Testing will determine capabilities and limitations of the protection kit integration onto the vehicle platform. FY 2015 Plans: Validation of HUSK design in preparation of Full Materiel Release. Title: Program Management Articles: Description: Subject matter engineering matrix support for ballistics advisement. FY 2013 Accomplishments: Program Management support FY 2015 Plans: Program Management support Accomplishments/Planned Programs Subtotals C. Other Program Funding Summary (\$ in Millions) FY 2015 FY 2015 FY 2015 Line Item FY 2013 FY 2013 FY 2014 Base OCO Total FY 2016 FY 2017 FY 2018 Vehicles (FHTV) (DA0500) • 003: Family of Heavy Tactical 343.813 223.910 248.944 249.122 Vehicles (FMTV) (D15500) • 000: Tactical Wheeled 69.072 17.000 38.226 - 38.226 45.700 45.805 45.838					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) Continuation of test and evaluation of Tactical Wheel Vehicle protection kits. It continuations of test and evaluation of Tactical Wheel Vehicle protection kits in tests of ballistic evaluations, automotive performance, and durability mileage sufficient to assess kit performance against established vehicle and ballistic requirements. Testing will determine capabilities and limitations of the protection kit integration onto the vehicle platform. FY 2015 Plans: Validation of HUSK design in preparation of Full Materiel Release. Title: Program Management FY 2013 Accomplishments: Program Management support FY 2014 Plans: Program Management support FY 2015 Plans: Program Management support FY 2015 Plans: C. Other Program Funding Summary (\$ in Millions) FY 2015 Plans Program Funding Summary (\$ in Millions) Line Item FY 2013 FY 2014 Base OCO Total FY 2015 FY 2016 FY 2017 FY 2018 Vehicles (FHTV) (DA0500) - 005: Family of Heavy Tactical 343.813 223.910 -	Date: Ma	arch 2014			
Continuation of test and evaluation of Tactical Wheel Vehicle protection kits. It consists of ballistic evaluations, automotive performance, and durability mileage sufficient to assess kit performance against established vehicle and ballistic requirements. Testing will determine capabilities and limitations of the protection kit integration onto the vehicle platform. FY 2015 Plans: Validation of HUSK design in preparation of Full Materiel Release. Title: Program Management Articles: Description: Subject matter engineering matrix support for ballistics advisement. FY 2013 Accomplishments: Program Management support FY 2014 Plans: Program Management support FY 2015 Plans: Program Management support C. Other Program Funding Summary (\$ in Millions) Example of Heavy Tactical 52.863 14.731 28.425 - 28.425 33.449 45.562 7.237 Vehicles (FHTV) (DA0500) • 003: Family of Medium Tactical 343.813 223.910 248.944 249.122 Vehicles (FMTV) (D15500) • 000: Tactical Wheeled 69.072 17.000 38.226 - 38.226 45.700 45.805 45.838		•	•		
performance, and durability mileage sufficient to assess kit performance against established vehicle and ballistic requirements. Testing will determine capabilities and limitations of the protection kit integration onto the vehicle platform. FY 2015 Plans: Validation of HUSK design in preparation of Full Materiel Release. Title: Program Management Articles: Description: Subject matter engineering matrix support for ballistics advisement. FY 2013 Accomplishments: Program Management support FY 2014 Plans: Program Management support FY 2015 Plans: Program Management support C. Other Program Funding Summary (\$ in Millions) FY 2015 FY 2015 FY 2015 Line Item FY 2013 FY 2014 Base OCO Total FY 2016 FY 2017 FY 2018 (**Program Vehicles (FHTV) (DA0500)** • 005: Family of Heavy Tactical S2.863 14.731 28.425 - 28.425 33.449 45.562 7.237 (**Vehicles (FHTV) (DA0500)** • 000: Tactical Wheeled 69.072 17.000 38.226 - 38.226 45.700 45.805 45.838	2013	FY 2014	FY 2015		
Validation of HUSK design in preparation of Full Materiel Release. Title: Program Management Articles: Description: Subject matter engineering matrix support for ballistics advisement. FY 2013 Accomplishments: Program Management support FY 2014 Plans: Program Management support Accomplishments/Planned Programs Subtotals C. Other Program Funding Summary (\$ in Millions) FY 2015 FY 2015 FY 2015 FY 2015 Line Item FY 2013 FY 2014 Base Base OCO Total FY 2016 FY 2017 FY 2018 IV 2016 FY 2017 FY 2018 IV 2016 FM 2017 FM 2017 FM 2018 IV 2016 FM 2017 FM 2018 IV 201					
### Complements of Co					
FY 2013 Accomplishments: Program Management support FY 2014 Plans: Program Management support FY 2015 Plans: Program Management support Accomplishments/Planned Programs Subtotals C. Other Program Funding Summary (\$ in Millions) FY 2015 FY 2015 FY 2015 Line Item FY 2013 FY 2014 Base OCO Total FY 2016 FY 2017 FY 2018 I 0.05: Family of Heavy Tactical 52.863 14.731 28.425 - 28.425 33.449 45.562 7.237 Vehicles (FHTV) (DA0500) • 003: Family of Medium Tactical 343.813 223.910 248.944 249.122 Vehicles (FMTV) (D15500) • 000: Tactical Wheeled 69.072 17.000 38.226 - 38.226 45.700 45.805 45.838	0.177	0.170	0.170		
Program Management support FY 2014 Plans: Program Management support FY 2015 Plans: Program Management support Accomplishments/Planned Programs Subtotals C. Other Program Funding Summary (\$ in Millions) FY 2015 FY 2015 FY 2015 Line Item FY 2013 FY 2014 Base OCO Total FY 2016 FY 2017 FY 2018 • 005: Family of Heavy Tactical 52.863 14.731 28.425 - 28.425 33.449 45.562 7.237 Vehicles (FHTV) (DA0500) • 003: Family of Medium Tactical 343.813 223.910 248.944 249.122 Vehicles (FMTV) (D15500) • 000: Tactical Wheeled 69.072 17.000 38.226 - 38.226 45.700 45.805 45.838					
Program Management support FY 2015 Plans: Program Management support Accomplishments/Planned Programs Subtotals C. Other Program Funding Summary (\$ in Millions) FY 2015 FY 2015 FY 2015 Line Item FY 2013 FY 2014 Base OCO Total FY 2016 FY 2017 FY 2018 I 0.005: Family of Heavy Tactical 52.863 14.731 28.425 - 28.425 33.449 45.562 7.237 Vehicles (FHTV) (DA0500) • 003: Family of Medium Tactical 343.813 223.910 248.944 249.122 Vehicles (FMTV) (D15500) • 000: Tactical Wheeled 69.072 17.000 38.226 - 38.226 45.700 45.805 45.838					
C. Other Program Funding Summary (\$ in Millions) FY 2015 FY 2015 FY 2015 FY 2015 FY 2016 FY 2017 FY 2018 FY					
C. Other Program Funding Summary (\$ in Millions) FY 2015 FY 2015 FY 2015					
Line Item FY 2013 FY 2014 Base OCO Total FY 2016 FY 2017 FY 2018 PY 2018 Sequence of the superscript of Heavy Tactical Vehicles (FHTV) (DA0500) • 003: Family of Medium Tactical Vehicles (FMTV) (D15500) • 000: Tactical Wheeled 69.072 17.000 38.226 - 38.226 45.700 45.805 45.838	2.929	2.048	3.609		
Line Item FY 2013 FY 2014 Base OCO Total FY 2016 FY 2017 FY 2018 PY 20					
• 005: Family of Heavy Tactical 52.863 14.731 28.425 - 28.425 33.449 45.562 7.237 Vehicles (FHTV) (DA0500) • 003: Family of Medium Tactical 343.813 223.910 248.944 249.122 Vehicles (FMTV) (D15500) • 000: Tactical Wheeled 69.072 17.000 38.226 - 38.226 45.700 45.805 45.838		Cost To			
Vehicles (FHTV) (DA0500) • 003: Family of Medium Tactical 343.813 223.910 - - - - 248.944 249.122 Vehicles (FMTV) (D15500) - 000: Tactical Wheeled 69.072 17.000 38.226 - 38.226 45.700 45.805 45.838	FY 2019	Complete			
• 003: Family of Medium Tactical 343.813 223.910 - - - - 248.944 249.122 Vehicles (FMTV) (D15500) • 000: Tactical Wheeled 69.072 17.000 38.226 - 38.226 45.700 45.805 45.838	0.007	-	182.27		
	-	-	1,065.789		
Protection Kits - D04003	45.841	-	307.482		
Remarks Programme Technologies (1997)					

All funds are dedicated to creating an armor solution to develop MRAP 1.1-level armor for the HET A1.

D. Acquisition Strategy

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PE 0604622A: Family of Heavy Tactical Vehicles Army

Exhibit R-2A, RDT&E Project Justification: PB 2015 A	Army	Date: March 2014
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604622A I Family of Heavy Tactical Vehicles	Project (Number/Name) VR5 / TWV Protection Kits
E. Performance Metrics		
N/A		

PE 0604622A: Family of Heavy Tactical Vehicles Army

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Exhibit R-3, RDT&E F	Project C	ost Analysis: PB 2	015 Army	/								Date:	March 20	014				
Appropriation/Budge 2040 / 5	t Activity	/					4622A <i>I F</i>		umber/Na Heavy Tad			•	mber/Name) Protection Kits					
Management Service	es (\$ in M	lillions)		FY 2	2013	FY:	2014	FY 2 Ba	2015 ise		2015 CO	FY 2015 Total						
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contrac			
SBIR/STTR	C/TBD	WARREN, MI : TBD	0.058	-		-		-		-		-	-	0.058	-			
		Subtotal	0.058	-		-		-		-		-	-	0.058	-			
Product Developmen	nt (\$ in M	illions)		FY 2	2013	FY :	2014	FY 2 Ba	2015 ise		2015 CO	FY 2015 Total						
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract			
Analysis of Alternatives/ Design and Build Armor Kits	SS/CPFF	OshKosh Truck Corporation : OshKosh, WI	0.173	-		-		-		-		-	Continuing	Continuing	Continuir			
Design and Build	MIPR	TBD : TBD	0.973	-		1.878	Mar 2014	2.939	Oct 2014	-		2.939	-	5.790	-			
Vulnerability Modeling and Simulation	MIPR	Army Research Lab : Adelphi, MD	0.120	-		-		-		-		-	Continuing	Continuing	Continuir			
Survivability Modeling & Simulation	MIPR	TARDEC : Warren, MI	0.250	-		-		-		-		-	-	0.250	-			
		Subtotal	1.516	-		1.878		2.939		-		2.939	-	-	-			
Support (\$ in Millions	s)			FY 2	2013	FY :	2014	FY 2 Ba			2015 CO	FY 2015 Total						
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contrac			
Program Support	MIPR	TARDEC : Warren, MI	0.280	0.177		0.170	Jul 2014	0.170	Jul 2015	-		0.170	-	0.797	-			
		Subtotal	0.280	0.177		0.170		0.170		-		0.170	-	0.797	-			
Test and Evaluation ((\$ in Milli	ions)		FY 2	2013	FY :	2014	FY 2 Ba	2015 ise		2015 CO	FY 2015 Total						
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract			
Test and Evaluation	MIPR	Various Locations : Various Locations	0.000	2.752		-		0.500	Jun 2015	-		0.500	Continuing	Continuing	Continuin			

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Exhibit R-3, RDT&E	Project Co	st Analysis: PB 2	2015 Army	'								Date:	March 20	14	
Appropriation/Budget Activity 2040 / 5							ogram Ele 4622A <i>I F</i> s	•	(Number	r/ Name) ction Kits					
Test and Evaluation	(\$ in Millio	ns)		FY 2	013	FY 2	2014		2015 ise		2015 CO	FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contrac
		Subtotal	0.000	2.752		-		0.500		-		0.500	-		-
			Prior Years	FY 2	2013	FY 2	2014	FY 2 Ba	2015 ise		2015 CO	FY 2015 Total	Cost To	Total Cost	Target Value of Contract
		Project Cost Totals	1.854	2.929		2.048		3.609		-		3.609	-	-	-

Remarks

xhibit R-4, RDT&E Schedule Profile: Pl	3 2015 Army	/																				Dat	e: M	arch	20	14				
ppropriation/Budget Activity 040 / 5											` ` `										Project (Number/Name) VR5 / TWV Protection Kits									
		FY	2013	3		FY	2014	4		FY 2	2015	5		FY 2	2016			FY 2	2017	·		FY	2018	3		FY 2	2019	9		
	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		
Design and Build Armor Kits																														
Test and Evaluation																														
Program Support																														

Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army			Date: March 2014
, , , , , , , , , , , , , , , , , , , ,	, ,	• `	umber/Name) / Protection Kits

Schedule Details

	St	art	E	nd
Events	Quarter	Year	Quarter	Year
Design and Build Armor Kits	2	2012	4	2020
Test and Evaluation	1	2013	3	2017
Program Support	2	2012	4	2020