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Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Army **Date:** February 2016

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0604604A / <i>Medium Tactical Vehicles</i>
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	-	0.210	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
H07: <i>Family Of Med Tac Veh</i>	-	0.210	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

Note

Not applicable for this item.

A. Mission Description and Budget Item Justification

This Program Element (PE) supports continued modernization of the Army's medium truck and trailer fleet and the Armored Security Vehicle (ASV).

In the medium fleet, the Family of Medium Tactical Vehicles (FMTV) replaces aging M35 2 1/2-ton trucks and M809 and M900 Series 5-ton trucks that are beyond their economic useful life of 15-20 years. FMTV fills 2 1/2-ton Light Medium Tactical Vehicle (LMTV) and 5-ton truck Medium Tactical Vehicle (MTV) truck requirements and includes companion trailers. FMTV trucks perform over 55 percent of the Army's local and line haul, and unit resupply missions, and operates throughout theater as multi-purpose transportation vehicles in combat, combat support, and combat service support units.

The ASV is an all-wheel drive armored vehicle that provides ballistic protection, overhead protection, and protection against landmines. It is used by the Military Police to perform missions of area security, maneuver, and mobility support.

This PE funds government technical insertion initiatives that will support a competitive solicitation for a new production contract to be awarded in FY17 that includes integration of selected capability improvements to the FMTV. The selected improvements also support increased power generation to meet the needs of a growing number of C4ISR, Counter-IED, and other Mission Equipment Packages as well as provide the capability to increase vehicle safety and reduce soldier injuries. This will support the Integration, Test and Evaluation, and Logistics Development for these improvements.

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B. Program Change Summary (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	0.210	0.000	0.170	-	0.170
Current President's Budget	0.210	0.000	0.000	-	0.000
Total Adjustments	0.000	0.000	-0.170	-	-0.170
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-0.170	-	-0.170

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Army										Date: February 2016		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604604A / <i>Medium Tactical Vehicles</i>				Project (Number/Name) H07 / <i>Family Of Med Tac Veh</i>			
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
H07: <i>Family Of Med Tac Veh</i>	-	0.210	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Not Applicable.

A. Mission Description and Budget Item Justification

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

	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Title: Automotive Technological Evaluation, Testing & Insertion	0.082	-	-	-	-
Description: Funding is provided for the following effort					
FY 2015 Accomplishments: Continuation with FMTV Automotive Technological Evaluation, Testing, & Insertion					
Title: FMTV Force Protection Improvements	0.128	-	-	-	-
Description: Funding provided for the following effort:					
FY 2015 Accomplishments:					

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Improvements to occupant survivability.					
Accomplishments/Planned Programs Subtotals	0.210	-	-	-	-

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• OPA 1 D15500: <i>Family of Medium Tactical Vehicles D15500</i>	195.624	334.038	53.293	299.476	352.769	270.932	226.114	221.351	252.170	Continuing	Continuing

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Army **Date:** February 2016

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Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
FMTV Automotive Technological Evaluation and Insertion	C/CPFF	Oshkosh Truck Corporation : Oshkosh, WI	11.219	-		-		-		-		-	Continuing	Continuing	Continuing
FMTV Armor Spiral Development	C/CPFF	Oshkosh Truck Corporation : Oshkosh, WI	5.464	-		-		-		-		-	Continuing	Continuing	Continuing
FMTV Fuel Economy	C/CPFF	Oshkosh Truck Corporation : Oshkosh, WI	2.622	-		-		-		-		-	Continuing	Continuing	Continuing
FMTV Automotive Technological Evaluation and Insertion	C/CPFF	TBD : TBD	0.082	0.082		-		-		-		-	Continuing	Continuing	Continuing
FMTV Force Protection Improvements	C/CPFF	TBD : TBD	0.128	0.128		-		-		-		-	Continuing	Continuing	Continuing
ASV Mission Enhancement Package (MEP)	MIPR	Various Locations : Various Locations	1.844	-		-		-		-		-	Continuing	Continuing	Continuing
Subtotal			21.359	0.210		-		-		-		-	-	-	-

Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
FMTV Automotive Technological Evaluation and Insertion	Various	Various : Various	0.351	-		-		-		-		-	Continuing	Continuing	Continuing
FMTV Armor Spiral Development Testing	MIPR	TARDEC : Warren, MI	0.319	-		-		-		-		-	Continuing	Continuing	Continuing
FMTV Fuel Economy Testing	MIPR	TARDEC : Warren, MI	0.319	-		-		-		-		-	Continuing	Continuing	Continuing
Subtotal			0.989	-		-		-		-		-	-	-	-

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Army **Date:** February 2016

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Event Name	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	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
FMTV Technology Insertion	Technology Insertion																											
FMTV Armor Technology Insertion	Armor Technology Insertion																											
FMTV Fuel Economy	Fuel Economy																											
FMTV Force Protection Improvements	Force Protection Improvements																											
FMTV Competitive Rebuy & Follow-on Production	Competitive Rebuy & Follow-on Production																											
FMTV FY17-19 Sole Source Production													FMTV FY17-19 Sole Source Production															
FMTV FY17-24 Competition													FMTV FY17-24 Competition															

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Army **Date:** February 2016

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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
FMTV Technology Insertion	1	2008	4	2015
FMTV Armor Technology Insertion	1	2010	4	2015
FMTV Fuel Economy	1	2010	4	2015
FMTV Force Protection Improvements	2	2015	4	2015
FMTV Competitive Rebuy & Follow-on Production	2	2010	4	2016
FMTV FY17-19 Sole Source Production	2	2017	4	2019
FMTV FY17-24 Competition	3	2017	2	2024