Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Army

R-1 Program Element (Number/Name)

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

PE 0605028A I Armored Multi-Purpose Vehicle (AMPV)

Date: February 2018

Development & Demonstration (SDD)

Appropriation/Budget Activity

COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	-	177.133	199.778	118.239	-	118.239	92.730	92.687	0.000	0.000	0.000	680.567
EB5: Armored Multi-Purpose Vehicle	-	177.133	199.778	118.239	-	118.239	92.730	92.687	0.000	0.000	0.000	680.567

A. Mission Description and Budget Item Justification

The Armored Multi-Purpose Vehicle (AMPV) is the materiel solution for replacement of the Army's Armored Personnel Carrier (M113) Family of Vehicles (FoV) within the Armored Brigade Combat Team (ABCT). It will mitigate current and future capability gaps in force protection, mobility, reliability, and interoperability across the Spectrum of Conflict. The AMPV will replace five mission roles currently performed by the M113 FoV by transferring the current M113 Mission Equipment Packages (MEP) to a new Military Vehicle Derivative (MVD) platform. In total, the AMPV FOV will account for approximately 30% of the ABCT's tracked fleet and consists of the following five variants:

- 1. Mission Command (MCmd) Vehicle: This platform enables effective mission command planning and execution for both the Tactical Operations Center (TOC) and Tactical Command Vehicle (TAC) versions of the MCmd. It will host current Battle Command Systems, future replacements, and upgrades of hardware and software.
- 2. Medical Treatment (MT) Vehicle: This platform will provide a protected surgical environment, with adequate lighting and accessible medical equipment. It will provide a capability for immediate medical care for one patient by a medical crew of four.
- 3. Medical Evacuation (ME) Vehicle: This platform will conduct ambulance type activities and provide casualty evacuation for up to four litter or six ambulatory patients, with a crew of three medical attendants.
- 4. General Purpose (GP) Vehicle: This platform will operate throughout the battle space by conducting re-supply, maintenance, casualty evacuation, and other tasks within the formation.
- 5. Mortar Carrier (MC) Vehicle: This platform will provide immediate responsive fire support to conduct fast-paced offensive operations.

The AMPV program has been initiated on the basis of a Capability Development Document (CDD) that was approved on 21 June 2013 and subsequently revised on 24 October 2016. The CDD reflects a set of stable, technologically achievable requirements. A Milestone B (MS B) Defense Acquisition Board (DAB) was held on 9 December 2014 and it was followed by an Acquisition Decision Memorandum (ADM) that was signed on 22 December 2014. The ADM approved MS B for the AMPV program and entry into the Engineering and Manufacturing Development (EMD) phase. In addition, the ADM authorized the Army to proceed with award of the EMD prime contract, which occurred on 23 December 2014 to BAE Systems Land & Armaments, L.P. (BAE). The FY2019 Planned Program consists of completion of EMD testing (including all Development Testing and the Limited User Test), completion of the System Verification Review / Production Readiness Review, completion of the program level Milestone C Review, continued efforts related to Logistics Support products (including completion of a Logistics Demonstration, completion of the entire Technical Manual validation, and the start of Interactive Electronic Technical Manual (IETM) verification), and initiation of efforts that support Production Qualification Testina.

> UNCLASSIFIED Page 1 of 13

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

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

Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Army

PE 0605028A I Armored Multi-Purpose Vehicle (AMPV)

Date: February 2018

B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	184.221	199.778	123.264	-	123.264
Current President's Budget	177.133	199.778	118.239	-	118.239
Total Adjustments	-7.088	0.000	-5.025	-	-5.025
 Congressional General Reductions 	-0.090	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
 Reprogrammings 	-	-			
SBIR/STTR Transfer	-6.998	-			
 Adjustments to Budget Years 	_	_	-5.025	-	-5.025

Exhibit R-2A, RDT&E Project Justification: PB 2019 Army											Date: February 2018		
Appropriation/Budget Activity 2040 / 5				, , ,				• `	oject (Number/Name) 35 / Armored Multi-Purpose Vehicle				
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost	
EB5: Armored Multi-Purpose Vehicle	-	177.133	199.778	118.239	-	118.239	92.730	92.687	0.000	0.000	0.000	680.567	
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-			

A. Mission Description and Budget Item Justification

The Armored Multi-Purpose Vehicle (AMPV) is the materiel solution for replacement of the Army's Armored Personnel Carrier (M113) Family of Vehicles (FoV) within the Armored Brigade Combat Team (ABCT). It will mitigate current and future capability gaps in force protection, mobility, reliability, and interoperability across the Spectrum of Conflict. The AMPV will replace five mission roles currently performed by the M113 FoV by transferring the current M113 Mission Equipment Packages (MEP) to a new Military Vehicle Derivative (MVD) platform. In total, the AMPV FOV will account for approximately 30% of the ABCT's tracked fleet and consists of the following five variants:

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Army	Date: February 2018		
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venicie (AMPV)					
B. Accomplishments/Planned Programs (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Title: Armored Multi-Purpose Vehicle (AMPV) Product Development	123.033	141.000	75.639	-	75.639
Description: AMPV Product Development costs include all efforts provided under the AMPV EMD prime contract along with Government Furnished Material (GFM). Significant examples of prime contract effort include: development engineering, system engineering/program management, prototype hardware procurement, prototype system level fabrication and integration, software development, support to the government test program, and oversight of subcontractors/suppliers. Also included are all efforts performed by subcontractors/suppliers who are under contract to the AMPV EMD prime contractor. This element also includes the recurring manufacturing cost to procure the vehicles that will support Full-Up System Level (FUSL) live fire testing.					
Prime contractor activities in FY2018 will consist of efforts that support the conduct of system level tests and efforts that are necessary as a result of the tests. In addition, the contractor will continue work related to Logistics/Product Support. All 29 prototypes will undergo testing in FY2018, with tests often occurring simultaneously at multiple locations. The contractor will support these tests by providing Field Service Representatives (FSRs) to assist in repairing and maintaining the prototypes and by providing Subject Matter Experts (SMEs) to troubleshoot any issues that might arise during testing. As required, the contractor will update the AMPV designs to address any shortcomings that are uncovered during testing or to incorporate any updates to government performance requirements. A Corrective Action Period (CAP) is planned for late 1QFY2018 through late 2QFY2018. During the CAP, the contractor will incorporate any design changes that are deemed necessary. An Interim Design Review (IDR) will be conducted at the conclusion of the CAP. The IDR will demonstrate that design changes made after the CDR are baselined and the system design is ready for manufacturing. A minimum of seventeen (17) artifacts will be generated by the contractor in support of IDR. Additional system level testing will take place following the CAP. At least 9,950 miles (not including contractor shakedown testing) will accrue during formal government testing prior to the CAP and at least an additional 9,500 miles will accrue following the CAP. Following completion of the post-CAP system level tests, a Functional Configuration Audit (FCA) will occur 4QFY2018. During the FCA, the contractor will demonstrate that the astested performance of the vehicles complies with design and interface requirements. Immediately following the FCA, the contractor will support the Limited User Test (LUT) in 4QFY2018. Eighteen (18) of the prototypes will be used during the LUT and the contractor will support the test by having FSRs and Test Engineers (

UNCLASSIFIED Page 4 of 13

Demonstration (Log Demo) 2-4QFY2018. The contractor will validate the logistics support package prior to

Exhibit R-2A, RDT&E Project Justification: PB 2019 Army	Date: February 2018		
	,	- 3 (umber/Name) ored Multi-Purpose Vehicle

	FY 2017	FY 2018	Base	oco	Total
the Log Demo and will ensure that the nine (9) primary objectives of the Log Demo are achieved. The first Low Rate Initial Production (LRIP) contract option covers 52 vehicles, 10 of which (2 of each variant type) will support Full-Up System Level (FUSL) live fire testing. The recurring manufacturing cost associated with these 10 live fire assets will be Research, Development, Test, and Evaluation (RDT&E) funded, while the remaining 4 vehicles will be Procurement funded. Further, the live fire testing is scheduled to begin 2QFY2020 and the lead times associated with select hardware, such as electronic components, is expected to be such that some items must be procured as early as 3QFY2018. In accordance with the Full Funding Policy, the entire procurement cost of the live fire test assets is being budgeted in the fiscal year in which select items are initially procured. Accordingly, the FY2018 cost in this element includes the full recurring manufacturing cost necessary to procure 10 FUSL live fire test assets.					
Prime contractor activities in FY2019 consist of efforts that support the completion of the Engineering and Manufacturing Development (EMD) contract. The contractor will provide support that leads to completion of EMD testing activities at government test locations; including Electromagnetic Interference (EMI) testing at the Electronic Proving Ground (EPG), system live fire testing of prototypes at Aberdeen Proving Ground (APG), and Limited User Testing (LUT) at a location to be determined. All testing activities are planned to be complete by the end of 1QFY2019. As required, the contractor will analyze the results of the testing program and then incorporate any necessary design changes into selected prototypes. In addition to test support, the contractor will complete a System Verification Review / Production Readiness Review (SVR/PRR) 1QFY2019. The SVR/PRR will be a formal examination of the program to ensure that the AMPV design is ready for production and that the contractor has accomplished adequate production planning. As part of the AMPV design assessment, the contractor may also evaluate the capabilities of the AMPV design to satisfy other emerging Army requirements. Based on all engineering design work completed under the EMD contract, the contractor will also complete and deliver a final Technical Data Package (TDP) no later than 60 days prior to the end of the contract (3QFY2019). A final significant area of effort for the prime contractor during completion of the EMD contract is continued work related to Logistics Support. This includes completion of the Logistics Demonstration completion of the entire Technical Manual validation, and the start of Interactive Electronic Technical Manual (IETM) verification. In addition, and in support of Milestone C, the contractor will support an update to the Life Cycle Sustainment Plan (LCSP), completion of the Product Support Business Case Analysis, completion of the Depots Source of Repair (DSOR) Analysis, completion of the Core Depot Assessment (CDA), and comp	,				

UNCLASSIFIED Page 5 of 13

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

FY 2019

FY 2019

Exhibit R-2A, RDT&E Project Justification: PB 2019 Army				Date: Febr	uary 2018	
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number PE 0605028A I Armored Multi-Pu Vehicle (AMPV)		Project (N EB5 / Armo	nicle		
B. Accomplishments/Planned Programs (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	
(LRIP-1). Under the LRIP-1 contract option, the prime contractor will Qualification Testing (PQT) and, therefore, this element also include prime contractor efforts will include support to PQT planning and the Support Packages (SSPs) that will be required for PQT. Also in supposelected mission equipment for the PQT test articles.	s costs related to PQT support. FY2019 identification/procurement of System					
FY 2018 to FY 2019 Increase/Decrease Statement: Decrease due to completion of the EMD phase of the program in FY Initial Production (LRIP) phase	2019 and transitioning into the Low Rate					
Title: AMPV Government Program Management Costs		29.300	24.564	22.100	-	22.100
of the AMPV program. This includes Systems Engineering and Prog Contractor salaries are included, as well as travel and other support the program. Costs in this category do not include Government Furr and unique to end item testing that is performed at Government test	costs that are required to effectively manage nished Material or efforts that are specific					
Provide integrated program management for all development activitic Eight Integrated Product Teams will continue to oversee the technical to monitor and track progress related to the achievement of overall sincludes review and acceptance of all formal contract deliverables and Management (EVM) team will continue to evaluate cost and schedul Performance Measurement Baseline (PMB) and Integrated Master Soverarching areas of emphasis for the Government Project Manager manage and oversee the EMD effort and preparing to transition the process (LRIP) phase. For the EMD effort, the team will provide oversight to completion of the Logistics Demonstration, and complete the Interimal Configuration Audit (FCA), In preparation for the transition to LRIP, the Lagrange of the EMD contract that covers LRIP 1. FY 2019 Base Plans:	al development efforts of BAE in order system performance requirements. This and test reports. The AMPV Earned Value le performance against the established Schedule (IMS). There will be two ment team in FY2018: continuing to program into the Low Rate Initial Production the test program, ensure the successful Design Review (IDR) and the Functional the team will prepare the approximately forty					

UNCLASSIFIED

PE 0605028A: Armored Multi-Purpose Vehicle (AMPV) Army Page 6 of 13 R-1 Line #121

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Army			Date: February 2018					
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/N PE 0605028A / Armored Multi-Pur Vehicle (AMPV)			t (Number/Name) Armored Multi-Purpose Vehicle				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total		
Provide integrated program management for all development activities, to indicight Integrated Product Teams will continue to oversee the technical development and track progress related to the achievement of overall system princludes review and acceptance of all formal contract deliverables and test of Management (EVM) team will continue to evaluate cost and schedule performent Performance Measurement Baseline (PMB) and Integrated Master Schedule overarching areas of emphasis for the Government Project Management teat EMD phase of the program, completion of the program level Milestone C (Militial Production (LRIP). For completion of EMD, the team will participate in, Verification Review / Production Readiness Review (SVR/PRR). In addition, deliverables are in accordance with contract requirements and will support a For Milestone C, the team will finalize the required documents and will partic to the actual review 2QFY2019. Related to LRIP, the team will provide overse effort related to LRIP is limited to only those activities that are traceable to Prother Government Program Management efforts in support of LRIP will be confinally, as required, the AMPV Government Project Management team may efforts that relate to the AMPV design possibly being used to satisfy other entering the satisfy of the satisfy other entering the satisfy of the satisfy of the	ppment efforts of BAE in order erformance requirements. This eports. The AMPV Earned Value mance against the established e (IMS). There will be three im in FY2019: completion of the S C), and initiation of Low Rate and review artifacts for, the System the team will ensure all final EMD ny other contract close out efforts. ipate in meetings/reviews that lead ight to the prime contractor. The roduction Qualification Testing. All overed by Procurement funding, support Army planning by initiating							
FY 2018 to FY 2019 Increase/Decrease Statement: Decrease due to program transitioning from RDTE funded Program Manage Program Management Support.	ment Support to Production funded							
Title: Government Test Costs		24.800	34.214	20.500	-	20.500		
Description: Government Test costs are for efforts required to perform and element includes costs of the detailed planning, conduct, support, data reduct Also included are costs necessary to acquire data during the conduct of the articles (i.e., functionally configured systems) are excluded from this element costs incurred in support of the Government system level test.	ction, and reports from such testing. Government tests. The actual test							
FY 2018 Plans: System level performance, reliability, and operational testing will take place t (21) of the twenty nine (29) prototypes will be part of the formal government eight (8) prototypes will remain at the contractor?s location and will support t Demonstration. The Government testing will occur at three primary locations	testing program. The remaining rouble shooting and the Logistics							

PE 0605028A: Armored Multi-Purpose Vehicle (AMPV)
Army

UNCLASSIFIED
Page 7 of 13

R-1 Line #121

UN	CLASSIFIED						
Exhibit R-2A, RDT&E Project Justification: PB 2019 Army			Date: February 2018				
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/N PE 0605028A / Armored Multi-Pur/ Vehicle (AMPV)	•		(Number/Name) rmored Multi-Purpose Vehicle			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	
will complete reliability, automotive and vehicle performance, software, and safe (YTC) will complete reliability, sand and dust, hot and cold weather climatic per fume firing evaluation, and hot and cold gunnery testing; and the Electronic Pro C4ISR performance, intra-vehicular electromagnetic interference, and informati site for the Limited User Test (LUT) in 4QFY2018 has not yet been determined the Southwest United States. The majority of the costs in FY2018 are for the action aforementioned locations. This includes the costs related to facility/range usage dedicated personnel from a variety of Army organizations outside of the Project Test and Evaluation Command, Army Environmental Command, Army Research Systems Analysis Activity, Army Combined Arms Support Command, Army Throffice, and Army Operational Test Command) will be required and are included community will commence Test and Evaluation Master Plan (TEMP) updates a Milestone C.	formance, full load cooling, toxic ving Ground (EPG) will conduct on assurance testing. The exact but will likely take place in stual conduct of the tests at the e and data collection. In addition, Management Office (i.e., Army the Laboratory, Army Materiel eat Systems Management in this element. The Army test						
Government Test costs in FY2019 reflect the completion of EMD testing, test d and the commencement of test planning for Production Qualification Testing (P (DT) will be completed 1-2QFY2019. This will include Electromagnetic Interfere Electronic Proving Ground (EPG). System level Live Fire (LF) testing of prototy likewise be completed in FY2019. The Limited User Test (LUT) is scheduled to All the LUT follow-up evaluations, surveys, and final Data Authentication Group Army Test and Evaluation Command will complete the Operational Test Comm Report (OMAR). The Army test community will finalize the AMPV Milestone C T (TEMP) and will staff the TEMP for Army and Department of Defense level app test planning for PQT (Performance and RAM) will be take place and be finalized The Full-Up System Level (FUSL) live fire test planning efforts will also comme threat management, forecasting, and procurement will continue for future test entered the comment of the procurement of the planning	QT). All Developmental Testing nce (EMI) testing at the pes (which starts in FY2018) will be completed in 1QFY2019. s will be completed and the and Milestone Assessment Test and Evaluation Master Plan rovals. In FY2019 the detailed ed to support testing in FY2020. nce. Test ammunition and test						
FY 2018 to FY 2019 Increase/Decrease Statement: Decrease due to completion of EMD testing in FY2019							
Accomplishmen	ts/Planned Programs Subtotals	177.133	199.778	118.239	_	118.23	

UNCLASSIFIED
Page 8 of 13

Exhibit R-2A , RDT&E Project Justification : PB 2019 Army	y				Date: February 2018
Appropriation/Budget Activity 2040 / 5		P	-1 Program Element (Number/Name) E 0605028A / Armored Multi-Purpose ehicle (AMPV)	, ,	Number/Name) nored Multi-Purpose Vehicle
C. Other Program Funding Summary (\$ in Millions)					
	FY 2019	FY 20	119 FY 2019		Cost To

			FY 2019	FY 2019	FY 2019					Cost To	
<u>Line Item</u>	FY 2017	FY 2018	Base	OCO	Total	FY 2020	FY 2021	FY 2022	FY 2023	Complete	Total Cost
 G80819: Armored Multi 	-	447.618	479.801	230.359	710.160	486.557	826.316	599.540	621.139	9,179.670	12,871.000
Purpose Vehicle (AMPV)											

Remarks

D. Acquisition Strategy

The Armored Multi-Purpose Vehicle (AMPV) program entered the acquisition process at Milestone B. This was accomplished via an Acquisition Decision Memorandum (ADM) that was signed on 22 December 2014. The ADM also authorized the Army to proceed with award of the Engineering and Manufacturing Development (EMD) prime contract with three Low Rate Initial Production (LRIP) options. The contract was awarded on 23 December 2014 to BAE Systems Land & Armaments, L.P. (BAE). The award was on a competitive basis utilizing formal Source Selection Evaluation Board (SSEB).

E. Performance Metrics

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Army

R-1 Program Element (Number/Name)

Date: February 2018 Project (Number/Name)

Appropriation/Budget Activity 2040 / 5

PE 0605028A I Armored Multi-Purpose

EB5 I Armored Multi-Purpose Vehicle

Vehicle (AMPV)

Product Developmen	t (\$ in Mi	illions)		FY 2	017	FY 2	2018	FY 2 Ba	2019 se	FY 2	2019 CO	FY 2019 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
Contractor Development Engineering	C/CPIF	BAE : Sterling Heights, MI	121.000	44.133	Dec 2016	23.574	Dec 2017	18.011	Dec 2018	-		18.011	0.000	206.718	-
Prototype Material Contractor	C/CPIF	BAE : Sterling Heights, MI	75.700	17.200	Dec 2016	-		-		-		-	0.000	92.900	-
Prototype Material Government Furnished	Various	Various : .	21.200	-		4.026	Dec 2017	2.400	Dec 2018	-		2.400	0.000	27.626	-
Contractor System Engineering, Data, Test and Program Management	C/CPIF	BAE : Sterling Heights, MI	50.600	61.700	Dec 2016	83.122	Dec 2017	16.000	Dec 2018	-		16.000	0.000	211.422	-
Procurment of Live Fire Test Assets	Option/ FPIF	BAE : York, PA	-	-		30.278	Dec 2017	-		-		-	0.000	30.278	-
Contractor Support to Qualification, Live Fire, & Operational Testing	C/CPIF	BAE : Sterling Heights, MI	-	-		-		39.228	Dec 2018	-		39.228	84.580	123.808	-
		Subtotal	268.500	123.033		141.000		75.639		-		75.639	84.580	692.752	N/A

Remarks

Armored Multi Purpose Vehicle Tech data and system level product development costs.

Support (\$ in Millior	ıs)			FY 2	2017	FY 2	2018		2019 ise	FY 2		FY 2019 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
Program Management Support	MIPR	PMO : Warren, MI	53.600	29.300	Dec 2016	24.564	Dec 2017	22.100	Dec 2018	-		22.100	15.000	144.564	-
	`	Subtotal	53.600	29.300		24.564		22.100		-		22.100	15.000	144.564	N/A

Remarks

Armored Multi Purpose Vehicle Support Costs.

PE 0605028A: Armored Multi-Purpose Vehicle (AMPV) Army

UNCLASSIFIED Page 10 of 13

R-1 Line #121

Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Army		Date: February 2018
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)
2040 / 5	PE 0605028A I Armored Multi-Purpose	EB5 I Armored Multi-Purpose Vehicle
	Vehicle (AMPV)	

Test and Evaluation (\$ in Millions)			FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
Government System Testing	MIPR	Various : .	7.000	24.800	Dec 2016	34.214	Dec 2017	20.500	Dec 2018	-		20.500	88.110	174.624	-
		Subtotal	7.000	24.800		34.214		20.500		-		20.500	88.110	174.624	N/A
															Target

	Prior Years	FY 2	017	FY 2	2018	FY 2 Ba	019 se		2019 CO	FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	329.100	177.133		199.778		118.239		-		118.239	187.690	1,011.940	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2019 Army

Date: February 2018

Appropriation/Budget Activity R-1 Program Element (Number/Name) Project (Number/Name)

2040 I 5 PE 0605028A I Armored Multi-Purpose EB5 I Armored Multi-Purpose Vehicle

Vehicle (AMPV)

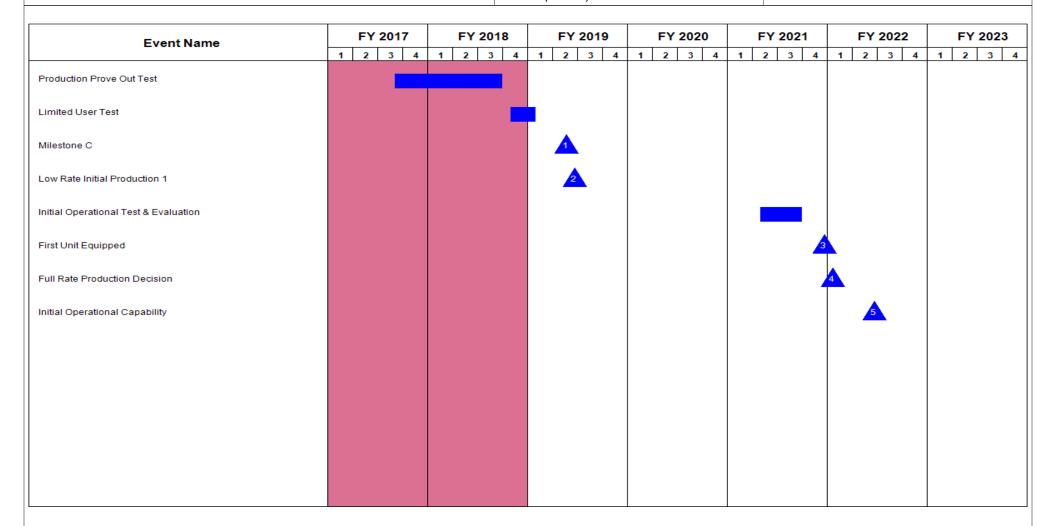


Exhibit R-4A, RDT&E Schedule Details: PB 2019 Army			Date: February 2018
2040 / 5		- , (umber/Name) ored Multi-Purpose Vehicle

Schedule Details

	Sta	End		
Events	Quarter	Year	Quarter	Year
Production Prove Out Test	3	2017	3	2018
Limited User Test	4	2018	1	2019
Milestone C	2	2019	2	2019
Low Rate Initial Production 1	2	2019	2	2019
Initial Operational Test & Evaluation	2	2021	3	2021
First Unit Equipped	4	2021	4	2021
Full Rate Production Decision	1	2022	1	2022
Initial Operational Capability	2	2022	2	2022