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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Army	Date: May 2017
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)	R-1 Program Element (Number/Name) PE 0604645A / Armored Systems Modernization (ASM) - Eng Dev
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COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	-	0.000	9.678	36.242	-	36.242	90.159	150.211	201.691	169.433	Continuing	Continuing
EV8: Mobile Protected Firepower	-	0.000	9.678	36.242	-	36.242	90.159	150.211	201.691	169.433	Continuing	Continuing

A. Mission Description and Budget Item Justification

Infantry Brigade Combat Teams (IBCTs) lack the mobile protected firepower capability necessary to defeat enemy prepared positions, destroy enemy armored vehicles, close with the enemy through fire and maneuver, and ensure freedom of maneuver and action in close contact with the enemy. Mobile Protected Firepower (MPF) will provide the protected, long range, precision direct-fire capability to ensure freedom of movement and action during offensive operations or defeat attacking enemy during defensive operations.

B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	0.000	9.678	9.808	-	9.808
Current President's Budget	0.000	9.678	36.242	-	36.242
Total Adjustments	0.000	0.000	26.434	-	26.434
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	0.000	0.000	26.434	-	26.434

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army										Date: May 2017		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604645A / Armored Systems Modernization (ASM) - Eng Dev				Project (Number/Name) EV8 / Mobile Protected Firepower			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
EV8: Mobile Protected Firepower	-	0.000	9.678	36.242	-	36.242	90.159	150.211	201.691	169.433	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Infantry Brigade Combat Teams (IBCTs) lack the mobile protected firepower capability necessary to defeat enemy prepared positions, destroy enemy armored vehicles, close with the enemy through fire and maneuver, and ensure freedom of maneuver and action in close contact with the enemy. Mobile Protected Firepower (MPF) will provide the protected, long range, precision direct-fire capability to ensure freedom of movement and action during offensive operations or defeat attacking enemy during defensive operations.												
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2016	FY 2017	FY 2018
Title: Government Engineering and Project Management										-	9.678	36.242
Description: Funding is provided for the following effort												
FY 2017 Plans: Provides for basic Government oversight of the Mobile Protected Firepower (MPF) program. Includes funding for government personnel (labor, travel, training, supplies) and other support (other government agencies, support contractors, automated data processing, communications, and equipment). Initiation of the MPF Analysis of Alternatives (AoA), which will assess the Operational effectiveness, suitability, and life-cycle cost of materiel solutions that satisfy requirements contained within the MPF Initial Capabilities Document (ICD) and the draft Capability Development Document (CDD). The results of the MPF AoA will provide critical information to support a Milestone B in 2QFY2019. Work on milestone documentation, development of the Performance Specification, initiate the Request for Proposal (RFP) package which will have 2 draft releases (3Q and 4QFY2017) with final package to be released in 2QFY2018, and conduct Acquisition Strategy Panel (ASP) review with AAE for approval of acquisition approach in 3QFY17. In addition PM office is coordinating with ARDEC, Watervliet Arsenal and Rock Island to initiate a Risk Reduction program for the production of lethality systems (large caliber weapons).												
FY 2018 Plans: Conduct Development RFP Release Decision Point by 1QFY2018 for approval to release RFP by 1QFY2018. Conduct a Source Selection Evaluation Board (SSEB) along with several Peer Reviews during RFP development and prior to SSEB selection. SSEB will encompass a paper proposal along with Bid Sample which will be evaluated. Includes funding for government personnel (labor, travel, training, and supplies) and other support (other government agencies, support contractors, automated data processing, communications, and equipment). In addition PM will be funding ARDEC, Watervliet Arsenal and Rock Island Arsenal												

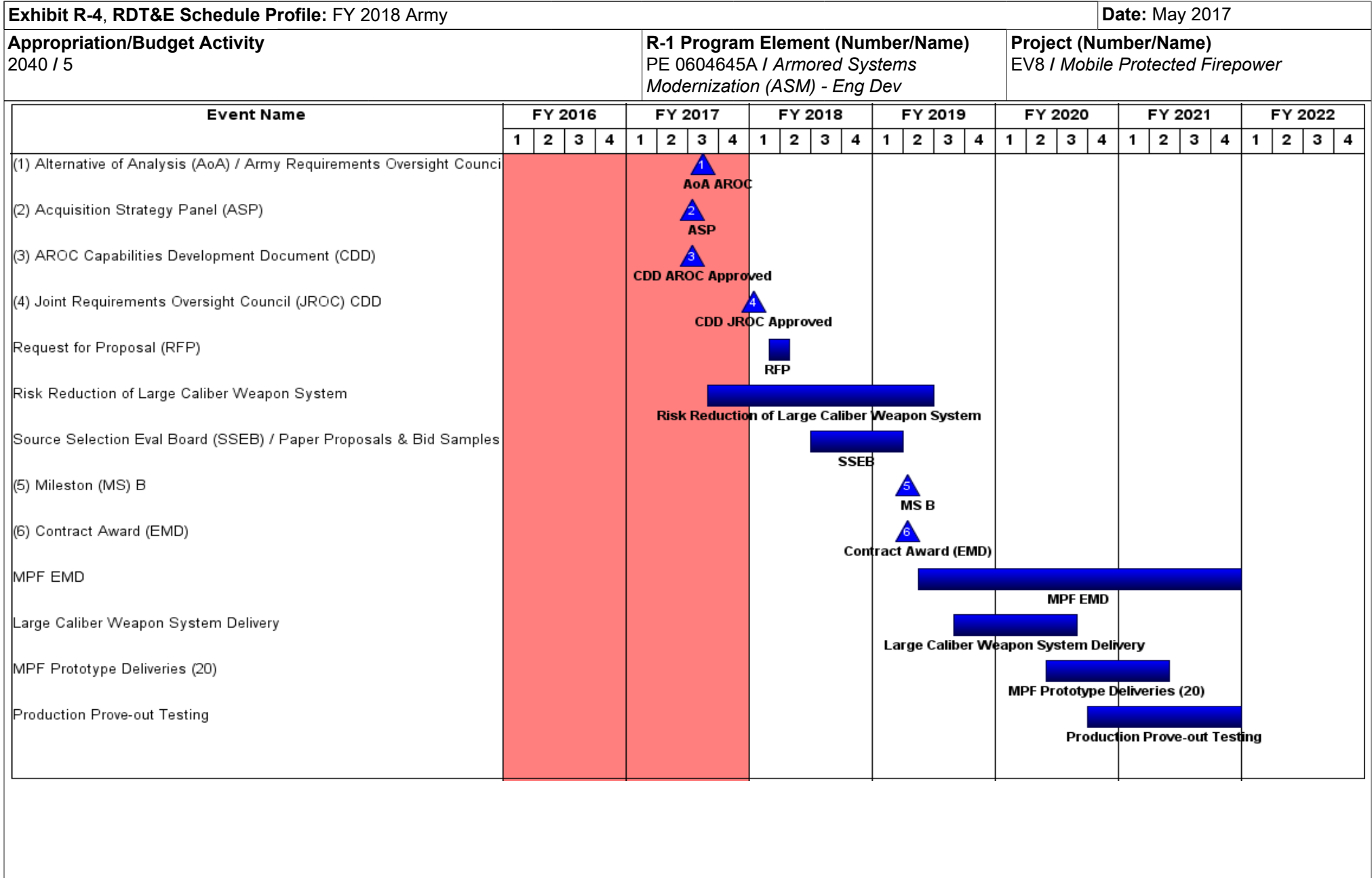
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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army										Date: May 2017		
Appropriation/Budget Activity 2040 / 5				R-1 Program Element (Number/Name) PE 0604645A / Armored Systems Modernization (ASM) - Eng Dev				Project (Number/Name) EV8 / Mobile Protected Firepower				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2016	FY 2017	FY 2018
to procure material, build and test up to 20 large caliber gun tubes that would be used for Bid Sample vehicles and Prototypes which will be delivered in 2019.												
Accomplishments/Planned Programs Subtotals										-	9.678	36.242
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost	
• Mobile Protected Firepower (G80820): Mobile Protected Firepower (G80820)	-	-	-	-	-	10.000	40.000	69.470	215.684	Continuing	Continuing	
Remarks												
D. Acquisition Strategy												
Mobile Protected Firepower (MPF) Materiel Development Decision (MDD) occurred on 1QFY17. The AAE approved the MPF program to enter the Material Solution Phase and begin the Analysis of Alternative (AoA) to assess the operational effectiveness, suitability, and life-cycle cost of potential materiel solutions that satisfy requirements contained within the MPF Initial Capabilities Document (ICD) and the draft Capability Development Document (CDD). Materiel Solution Analysis will support a future decision to enter at Milestone B in 2QFY2019. MPF strategy is to pursue a modified Non-Developmental Item (NDI) platform. EMD phase is scheduled to begin in FY19 and last thru FY22 with an anticipated MS C by FY22.												
E. Performance Metrics												
N/A												

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Army												Date: May 2017			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0604645A / Armored Systems Modernization (ASM) - Eng Dev						Project (Number/Name) EV8 / Mobile Protected Firepower			
Management Services (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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
Project Managment Office	RO	Government Warren MI; : Various	0.000	-		9.678	Dec 2016	15.219	Dec 2017	-		15.219	Continuing	Continuing	0.000
105mm Risk Assessment	TBD	Government Picatinny Arsenal, NJ, Watervliet Arsenal, NY, Rock Island Arsenal, IL : Various	0.000	-		-		21.023	Dec 2017	-		21.023	0.000	21.023	0.000
Subtotal			0.000	-		9.678		36.242		-		36.242	-	-	0.000
Remarks FY18 funding will be used to support preparation of the RFP package (Scope of Work, CDRL development, L&M language, contracting strategies, OSD Peer Reviews, SSEB, etc.)															
			Prior Years	FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	-		9.678		36.242		-		36.242	-	-	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: FY 2018 Army																Date: May 2017																
Appropriation/Budget Activity										R-1 Program Element (Number/Name)										Project (Number/Name)												
2040 / 5										PE 0604645A / Armored Systems Modernization (ASM) - Eng Dev										EV8 / Mobile Protected Firepower												
Event Name	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022							
	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				
Soldier Vehicle Assessment (SVA)																									SVA							
Limited User Training (LUT)																									LUT							
(1) Milestone (MS) C																									MS C							
(2) MPF LRIP Option Award																									MPF LRIP O							
MPF LRIP Delivery ((27)																									MPF LRIP De							

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Exhibit R-4A, RDT&E Schedule Details: FY 2018 Army			Date: May 2017
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604645A / Armored Systems Modernization (ASM) - Eng Dev	Project (Number/Name) EV8 / Mobile Protected Firepower	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Alternative of Analysis (AoA) / Army Requirements Oversight Council (AROC)	3	2017	3	2017
Acquisition Strategy Panel (ASP)	3	2017	3	2017
AROC Capabilities Development Document (CDD)	3	2017	3	2017
Joint Requirements Oversight Council (JROC) CDD	1	2018	1	2018
Request for Proposal (RFP)	1	2018	2	2018
Risk Reduction of Large Caliber Weapon System	3	2017	2	2019
Source Selection Eval Board (SSEB) / Paper Proposals & Bid Samples	3	2018	1	2019
Milestone (MS) B	2	2019	2	2019
Contract Award (EMD)	2	2019	2	2019
MPF EMD	2	2019	4	2021
Large Caliber Weapon System Delivery	3	2019	3	2020
MPF Prototype Deliveries (20)	2	2020	2	2021
Production Prove-out Testing	4	2020	4	2021
Soldier Vehicle Assessment (SVA)	1	2021	4	2021
Limited User Training (LUT)	4	2021	4	2021
Milestone (MS) C	1	2022	1	2022
MPF LRIP Option Award	4	2022	4	2022
MPF LRIP Delivery ((27)	4	2022	1	2024