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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Army											Date: March 2023	
Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)</i>					R-1 Program Element (Number/Name) PE 0605625A / <i>Manned Ground Vehicle</i>							
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	-	194.936	554.925	996.653	-	996.653	542.476	369.090	373.020	377.183	0.000	3,408.283
CF6: <i>Optionally Manned Fighting Vehicle (OMFV)</i>	-	194.936	554.925	996.653	-	996.653	542.476	369.090	373.020	377.183	0.000	3,408.283

A. Mission Description and Budget Item Justification

This funding line is directly aligned to the Next Generation Combat Vehicle Army Modernization Priority. The Optionally Manned Fighting Vehicle (OMFV), as part of an Armored Brigade Combat Team (ABCT), will replace the Bradley Infantry Fighting Vehicle to provide the capabilities required to defeat a future near-peer competitor's force. The OMFV is an optionally manned platform that maneuvers Soldiers to a point of positional advantage to engage in close combat and deliver decisive lethality during the execution of combined arms maneuver. It is designed to operate with and may operate without a crew and Soldiers under armor based on the commander's decision. It delivers decisive lethality during the execution of combined arms maneuver while also controlling maneuver robotics and semi-autonomous systems. The platform will be optimized for Life Cycle Environmental Profiles, both natural and induced, to remain safe, suitable and effective and with significantly reduced logistical burdens. The rapidly changing character of warfare and pace of technology motivates the Army to change how it will deliver, operate and sustain the OMFV. As part of an ABCT, the OMFV will not fight alone, but rather as part of a section, platoon, and company of mechanized infantry. These companies will execute cross-domain maneuver and defeat pacing threats in the close area while maneuvering Soldiers to tactical objectives. Once the unit has transitioned to an integrated mounted and dismounted fight, the OMFV supports our Soldiers with advanced sensors, lethality, protection, and mission command.

The total cost of the Optionally Manned Fighting Vehicle Middle Tier of Acquisition effort is \$1,384 million RDT&E from FY2021 to FY2024. The Optionally Manned Fighting Vehicle is fully funded across the Future Years Defense Program.

B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	202.320	589.762	1,238.951	-	1,238.951
Current President's Budget	194.936	554.925	996.653	-	996.653
Total Adjustments	-7.384	-34.837	-242.298	-	-242.298
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-34.837			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-7.384	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-242.298	-	-242.298

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Change Summary Explanation

FY 2024 funding request decreased in the Current President's Budget from the Previous President's Budget due to higher Army priorities.

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Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605625A / Manned Ground Vehicle				Project (Number/Name) CF6 / Optionally Manned Fighting Vehicle (OMFV)			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
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Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

	FY 2022	FY 2023	FY 2024
Title: Government Engineering & Program Management	17.066	34.890	29.549
Description: Provides Government System Engineering and Program Management support. Funding will cover the costs of government and direct support contractor labor, travel, training, supplies, equipment and facilities to effectively manage Project Management Office, Maneuver Combat Systems (PM MCS).			
FY 2023 Plans: Provides Government System Engineering & Program Management Support. This funds the efforts to include contract close-outs of Concept Design contracts for up to 5 vendors and covers the management support requirements pre and post award of Detailed Design contracts for up to 3 vendors. These costs reflect the RDTE funded costs for Matrix within the PM MCS PMO includes the of SETA support in critical areas of the design of an open-architected OMFV including cyber security, software development and system architecture. These funds also support the execution of a source selection board for up to 3 vendors for the Phase 3 and 4 contracts for Detailed Design / Prototype Build and Test. This funding will include the cost of digital engineering			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p>tools, government and direct support contractor labor, travel, training, supplies, equipment and facilities to effectively manage the PM MCS program. This funding will also support execution of the Army's formal Analysis of Alternatives.</p> <p>FY 2024 Plans: Provides Government System Engineering & Program Management Support and funds the efforts to the management support requirements pre and post award of Detailed Design contracts for up to 3 vendors. These costs reflect the RDTE funded costs for Matrix support within the program management office and includes the use of SETA support in critical areas of the design of an open-architected OMFV including cyber security, software development and system architecture. This funding will include the cost of government and direct support contractor labor, travel, training, supplies, equipment and facilities to effectively manage the PM MCS program.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Decrease in FY2024 funding due to the completion of Concept Design contracts and closeouts in FY2023. FY2024 funding will continue to support the use of digital engineering tools and the use of agile teams to support design activities leading up to Critical Design Review (CDR), specifically in subsystem maturation and cyber security activities and support of major programmatic decisions.</p>			
<p>Title: Digital Engineering</p> <p>FY 2023 Plans: This funding will include the costs to establish and maintain a cloud-based Digital Engineering (DE) environment. DE costs include individual software (SW) licenses for the required Product Lifecycle Management (PLM) software. Integration costs include the creation of Automatic Program Interfaces (API) between the PLM software and various government owned modeling and simulation tools to accelerate the pace of analysis of the up to 3 Phase 3 OMFV contractors. Integration of these tools within the DE environment enables frequent, continuous, and iterative assessment of a contractor's digital design with a view towards identifying and addressing technical risk as early and cost effectively as possible.</p> <p>FY 2024 Plans: Provides the entire digital engineering ecosystem - which includes a cloud-based Digital Engineering (DE) environment and a government owned software development, Artificial Intelligence, and machine learning environment using a Development/ Security/Operations (DevSecOps) software and Digital Twin technology development approach. Cost includes further scaling up licenses, capacity, and support commensurate with the growth of MS&A, Architecture, and Test Evaluation teams. DE costs include the software (SW) licenses for the required Product Lifecycle Management (PLM) software, Models Based Systems Engineering (MBSE) SysML modeling tools, and logistics and modeling and simulation software. DevSecOps costs include 3 OEMs developing software in a government furnished cloud environment - which are based on the licenses and pipelines required for the oversight and development of OMFV Software using an agile DevSecOps software approach. Integration costs include the creation of Automatic Program Interfaces (API) between the PLM software and various government owned and commercial</p>	-	26.742	22.164

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>off the shelf modeling and simulation tools to accelerate the pace of analysis of up to 3 vendors for Phase 3. Integration of these tools within the DE environment enables frequent, continuous, and iterative assessment of a contractor's digital design with a view towards identifying and addressing technical risk as early and cost effectively as possible.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: The decrease in funding is due to the cost from FY23 to FY24 associated with establishing the cloud-based Digital Engineering (DE) Environment, individual software licenses for the Product Lifecycle Management (PLM) software, and creation of Automatic Program Interfaces (API) and establishing the framework for Digital Engineering.</p>				
<p>Title: Product Development</p> <p>Description: Costs include the continuation of Concept Design efforts including System Functional Review (SFR) and development towards PDR. Contractor efforts include Development Engineering, Producibility Engineering and Planning, Development Tooling, System Engineering and Program Management, Data and Special Equipment.</p> <p>FY 2023 Plans: As the program transitions from Contractor Concept Design to Contractor Detailed Design, this effort funds the initial funding period of Detailed Design contracts for up to 3 vendors. This includes labor and material costs for Design Engineering pre and post PDR, System Engineering and Program Management and Technical Data Development. This funding will support the development of a System Integration Laboratory for the vendors to test and deploy critical software improvements for government verification. The funding also procures hardware necessary for up to 3 vendors to build and integrate critical subsystems as part of an early risk reduction prototype delivery.</p> <p>FY 2024 Plans: These costs include the maturation of OMFV Detailed Design Concepts to CDR. Costs include Contractor System Engineering and Program Management, Producibility Engineering and Planning, Development Tooling, Data, Support Equipment Development and Development of a Training Program of Instruction. Costs also include the material for 7 prototypes each from up to three vendors required for Preproduction Prove-Out Testing and initial logistics development.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: The increase in funding is reflective of the increase in development efforts for 3 vendors through PDR with work towards CDR.</p>		166.398	337.500	858.300
<p>Title: Modeling Simulation & Analysis</p> <p>Description: Government Modeling, Simulation and Analysis in support of requirements analysis and concept refinement.</p> <p>FY 2023 Plans:</p>		3.571	15.869	9.788

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>This effort funds the Modeling and Simulation and Subsystem Testing of awarded Contractor Designs and their respective components in support of PDR with efforts towards CDR. This funds the development and verification, validation, and accreditation of new models to support future testing. PM MCS is also conducting Soldier Touchpoints (STP) which provide PM MCS to ability to gather data from the end-user (Soldiers) in order to properly refine specifications and details of the OMFV platform. This involves multiple modeling, simulation and analysis activities, as well as hands-on testing to ensure the novel technology is implemented in the most effective and efficient way, as well as providing input to platform design.</p> <p>FY 2024 Plans: This effort funds the continued Modeling, Simulation & Analysis (MS&A) and Subsystem Testing of awarded Contractor Designs and their respective components in support of CDR. This funding also supports government MS&A analysis of vendor designs in support of the final Capability Development Document (CDD), which includes conduct and analysis of Virtual Experimentation (VE), Crew Buck, CAVE, ARIES Physics Modeling, and Soldier Touchpoints in FY24. This funding also will continue to support the verification, validation, and accreditation of new models during product development.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: The decrease in funding reflects completion of PDR in FY2023 for Modeling and Simulation and Subsystem Testing. FY2024 funding covers the continued maturation of designs towards a critical design review, minimize risks when moving to prototype build and test after CDR, and to integrate MS&A into the programs digital thread.</p>				
<p>Title: Other Support Cost</p> <p>Description: OMFV studies and research which includes the completion of the AoA, completion of milestone documentation development, and detailed trade space studies and analysis.</p>		2.600	-	-
<p>Title: Government Architecture</p> <p>Description: Develop the USG baseline architecture by enhancing PEO GCS Common Infrastructure Architecture (GCIA) based on Modular Open Systems Approach (MOSA) to guide the OMFV system development. The effort is directed by the Army Acquisition Executive to achieve transformational capabilities for OMFV via Modular, Open and Scalable Architecture, and by using applicable open standards. The effort will be executed by PEO GCS, PM MCS, and ASA (ALT)'s Office of the Chief Systems Engineer teams cohort with applicable CCDC and ARL teams, and industry consortium.</p> <p>FY 2023 Plans: This effort funds the continued refinement of the ground vehicle open architecture standard and maintenance of the Architectural Foundry to guide the development of the OMFV, including, but not limited to, digital modeling, Architecture Integration Laboratory, and the Architectural Description. This also begins to fund the Ground Combat Systems Common Infrastructure Architecture (GCIA) which enables Modular Open Systems Approach (MOSA) for the OMFV program office to acquire affordable modular</p>		5.301	11.602	9.289

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>systems at the pace of threats/technology. It consists of a set of architecture specifications, digital models, defined interfaces, standards, and data models.</p> <p>FY 2024 Plans: This effort funds the continued maturation of the GCS Common Infrastructure Architecture (GCIA), Ground Vehicle Architecture Integration Laboratory (GVAIL), data architecture (model libraries, data dictionary) and the continued refinement and maturation of open architecture standards. The GCIA is a standardized architecture framework to enable persistent modernization for Optionally Manned Fighting Vehicle (OMFV). The GCIA enables Modular Open Systems Approach (MOSA) for OMFV program office to acquire affordable modular systems at the pace of threats/technology. It consists of a set of architecture specifications, digital models, defined interfaces, standards, and data models. GVAIL is a set of hardware, software, and model-based environment to test GCIA compliance of the OMFV capabilities that vendors build. This funding will also further mature the digital model for speed and ease of implementation during development of the OMFV, including the development of a Hardware Integration Lab to quickly ensure that any future technology is compliant with the GCIA architecture, increasing future competition.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Decrease in funding in FY2024 accounts for initiation of GCIA in FY2023, FY2024 funding supports continued maturation and refinement of the GCIA architecture and GVAIL.</p>				
<p>Title: Technology Maturation & Analysis</p> <p>Description: This funding is for risk reduction efforts to enhance test and develop tools for OMFV cybersecurity and program protection and includes cyber testing, subject matter experts, contracts and development.</p> <p>FY 2023 Plans: This effort funds the Detailed Design parallel efforts focused on maturation of key subsystems and demonstration of transformational capabilities for future rapid integration using DE principles. These efforts include, but are not limited to: initial integration by a University Affiliated Research Center (UARC) of key subsystems across the open architecture standard to demonstrate organic OMFV counter unmanned aerial system (C-UAS) and counter antitank guided missile (C-ATGM) applications on a technology demonstrator platform, and initial work to transition existing government owned autonomy and reduced crew operation software into a format that is agnostic of a vehicle's operating system and able to operate with the open architecture standard. This effort funds the procurement of 3rd Generation FLIR systems that will be provided to the contractors awarded in Phase 3. And includes funds for the procurement, storage, repair, maintenance, shipping, and integration of Government Furnished Property (GFP).</p> <p>FY 2024 Plans: This effort funds efforts to enhance test and develop tools for OMFV cybersecurity and program protection. This will include funding for testing, subject matter experts, contracts and development. This effort funds the risk reduction efforts to enhance,</p>		-	79.899	5.986

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>test, and develop tools for OMFV cybersecurity and program protection, i.e., supply chain, program data, new technologies. This will include funding for cyber testing, subject matter experts, contracts and development. This effort also funds personnel and contractors to support integration, evaluation, and support for the 3GFLIR systems. This includes technical support and information exchange with vendors who are awarded a prototype contract.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: The decrease in funding is the shift of efforts for the Detailed Design Contract Award and a further breakout of efforts.</p>				
<p>Title: SBIR/STTR</p> <p>Description: Funding transferred in accordance with Title 15 USC §638</p> <p>FY 2023 Plans: Funding transferred in accordance with Title 15 USC §638</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Funding transferred in accordance with Title 15 USC §638</p>		-	20.255	-
<p>Title: System Test & Evaluation</p> <p>Description: System Test & Evaluation supports the OMFV Government Production Prove-out testing of OMFV designs for up to three vendors.</p> <p>FY 2024 Plans: This cost funds the initial planning and preparation for the OMFV Government Production Prove-out testing of OMFV designs for up to three vendors. Each vendor will build up to 11 prototypes for USG test purposes along with 2 Ballistic Hull and Turrets (BH&T). This cost funds long lead material items including armor coupons, GFM integration and test spares, lethality ammunition and threat ammunition for the testing of prototypes for up to three vendors.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: The increase in funding is to begin System Test & Evaluation.</p>		-	-	34.843
<p>Title: Training Aids, Devices, Simulators & Simulation (TADSS)</p> <p>FY 2024 Plans: This effort funds the initial analysis and development of TADSS occurring after CDR.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: The increase in funding is reflective of the initial analysis and development that needs to begin in FY 2024.</p>		-	-	0.983
<p>Title: XM913 Maturation</p>		-	25.168	4.002

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p><i>FY 2023 Plans:</i> This effort funds the procurement of XM913 systems that will be provided to contractors awarded Phase 3 contracts. This will also fund testing and test ammunition to complete the development of the XM913 and ammunition system. The effort will be for reliability improvements and of qualification testing of the XM913 50mm cannon based on an independent technical assessment. This also funds manpower for integration planning and execution support.</p> <p><i>FY 2024 Plans:</i> This effort funds the testing of the XM913 50mm cannon, which will support a safety release for vendors to include in their full system prototype. Testing will include weapon reliability, durability, safety, and environmental impacts such as extreme temperature and humidity. This funding will also include the purchase of ammunition for government use to conduct risk reduction testing to support a successful system fielding. Government testing will be conducted in FY 2024 to support vendor integration and test in FY 2025.</p> <p><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i> The decrease of funding is to support the test of the XM913.</p>			
<p><i>Title:</i> Counter - Unmanned Aerial System / Counter - Anti Tank Guided Missile Demonstrator</p> <p><i>FY 2024 Plans:</i> This effort funds the development and demonstration of using existing radar sub-systems to be dual purposed and utilized for Counter Unmanned Aerial System (C-UAS) and Counter Anti-Tank Guided Missile (C-ATGM) missions. This funding includes the integration and development costs of the software and the procurement of Government Off the Shelf (GOTS) hardware needed to design, build, integrate, and test the capability during FY 2024 and FY 2025. The final software will be integrated into the Fire Control software before Low-Rate Initial Production.</p> <p><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i> The increase in funding is to support testing of C-UAS/C-ATGM.</p>	-	-	7.406
<p><i>Title:</i> Software Pathway</p> <p><i>FY 2023 Plans:</i> The SWP effort this year includes analysis, modeling, and simulation to help develop clear requirements. The PMO will develop the Simplified Acquisition Management Plan (SAMP) in preparation for program initiation in FY24. This funding will support the development of software to add new features or optimizations to lethality, force protection, autonomous movement, user interface, and vehicle health management subsystems.</p> <p><i>FY 2024 Plans:</i></p>	-	3.000	9.006

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p>This effort funds the execution of the embedded software (SW) pathway acquisition. Embedded SW Pathway program expected to be awarded in FY24, and this funding will support the development of software to enable 2-person crew operations, such as Aided Target Recognition, machine-aided driving, and crew and formation level reporting autonomy to reduce crew burden. These capabilities will be awarded 1QFY24 and developed to a minimum viable capability release (MVCR) in support of the warfighter in FY 2025.</p> <p><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i> The increase in funding is due to the execution of the SW Pathway.</p>			
<p><i>Title:</i> Active / Passive Electronic Warfare Integration</p> <p><i>FY 2024 Plans:</i> This effort funds the development and integration of Commercial Off the Shelf (COTS) programmable antennas with either COTS or existing Program of Record (POR) electronic warfare (EW) active and passive capabilities. Costs include the development of SW and purchase of HW to demonstrate the ability of the system to be Multi Domain Operations (MDO) capable. This funding will demonstrate the feasibility of bringing EW capabilities to the tactical edge for an Armored Brigade Combat Team (ABCT). This effort will begin in 1QFY24 and continue thru FY 2024.</p> <p><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i> The increase from FY 2023 to FY 2024 is due to the need to begin the Active / Passive EW integration.</p>	-	-	5.337
Accomplishments/Planned Programs Subtotals	194.936	554.925	996.653

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

N/A

Remarks

D. Acquisition Strategy

The Optionally Manned Fighting Vehicle (OMFV) is a Middle Tier Acquisition - Rapid Prototyping Program and is designed to maneuver Soldiers in the Forward Operating Environment to a position of advantage to engage in close combat and deliver decisive lethality during the execution of combined arms maneuver. The OMFV must exceed current capabilities while overmatching similar threat class systems. It must be optimized for urban and rural terrain areas, while also defeating pacing threats, and be characterized by the ability to spiral in advanced technologies as they mature. The capabilities desired focus to improve lethality, protection, mobility, range, survivability.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army **Date:** March 2023

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Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
SBIR/STTR	TBD	TBD : TBD	-	-		20.255		-		-		-	0.000	20.255	-
Subtotal			-	-		20.255		-		-		-	0.000	20.255	N/A

Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Other Support Costs	TBD	TBD : TBD	13.556	2.600	Apr 2022	-		-		-		-	0.000	16.156	-
XM-913	MIPR	PM MAS : Picatinny, NJ	35.039	-		25.168	May 2023	4.002	Dec 2023	-		4.002	0.000	64.209	-
Product Development	TBD	TBD : TBD	133.055	166.398	Jun 2022	337.500	Apr 2023	858.300	Sep 2024	-		858.300	0.000	1,495.253	-
Government Architecture	TBD	TBD : TBD	5.300	5.301	Apr 2022	11.602	Jun 2023	9.289	Apr 2024	-		9.289	0.000	31.492	-
Technology Maturation & Analysis	TBD	TBD : TBD	-	-		79.899	Jun 2023	5.986	Feb 2024	-		5.986	0.000	85.885	-
Digital Engineering	TBD	TBD : TBD	-	-		26.742	Apr 2023	22.164	Jan 2024	-		22.164	0.000	48.906	-
Training Aids, Devices, Simulators & Simulation (TADSS)	TBD	TBD : TBD	-	-		-		0.983	Dec 2023	-		0.983	0.000	0.983	-
Counter - Unmanned Aerial System / Counter - Anti Tank Guided Missile	TBD	TBD : TBD	-	-		-		7.406	Mar 2024	-		7.406	0.000	7.406	-
Software Pathway	TBD	TBD : TBD	-	-		3.000	Jun 2023	9.006	Jun 2024	-		9.006	0.000	12.006	-
Active / Passive EW Integration	TBD	TBD : TBD	-	-		-		5.337	Mar 2024	-		5.337	0.000	5.337	-
Subtotal			186.950	174.299		483.911		922.473		-		922.473	0.000	1,767.633	N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605625A / Manned Ground Vehicle	Project (Number/Name) CF6 / Optionally Manned Fighting Vehicle (OMFV)

Event Name	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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
Concept Design (5 OEMs)	[Redacted]				[Redacted]																							
A-CDD	▲ 1 A-CDD																											
Request for Proposal Release #2			▲ 2 RFP Release																									
Decision Point #2					▲ 3 Contract award up to 3 OEMs																							
CDD									▲ 5 Final CDD																			
Detailed Design (3 OEMs)					[Redacted]				[Redacted]																			
Preliminary Design Review					▲ 4 PDR																							
Critical Design Review									▲ 6 CDR																			
Outcome Determination Milestone B									▲ 7 MS B																			
Prototype Build / Integration									[Redacted]				[Redacted]															
PPT Vehicle Test																	[Redacted]											
Decision Point #3																									▲ 8 MS C			

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605625A / <i>Manned Ground Vehicle</i>	Project (Number/Name) CF6 / <i>Optionally Manned Fighting Vehicle (OMFV)</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Concept Design (5 OEMs)	4	2021	1	2023
A-CDD	2	2022	2	2022
Request for Proposal Release #2	4	2022	4	2022
Decision Point #2	3	2023	3	2023
CDD	1	2024	1	2024
Detailed Design (3 OEMs)	3	2023	4	2024
Preliminary Design Review	4	2023	4	2023
Critical Design Review	4	2024	4	2024
Outcome Determination Milestone B	4	2024	4	2024
Prototype Build / Integration	4	2024	2	2026
PPT Vehicle Test	2	2026	4	2027
Decision Point #3	4	2027	4	2027