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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Army **Date:** March 2024

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)	R-1 Program Element (Number/Name) PE 0604642A / Light Tactical Wheeled Vehicles
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	-	13.667	53.564	100.257	-	100.257	56.175	1.817	0.809	0.817	0.000	227.106
E40: LTV Prototype	-	13.667	53.564	100.257	-	100.257	56.175	1.817	0.809	0.817	0.000	227.106

A. Mission Description and Budget Item Justification

The Army Infantry Squad Vehicle (ISV), through enhanced tactical mobility, will motorize the Infantry Brigade Combat Teams (IBCT), Security Forces Assistance Brigade (SFAB), and the 75th Ranger Regiment with their associated equipment to move quickly around the battlefield. This capability is required across the range of military operations conducting crisis response, initial entry, and selected decisive action missions. ISV deploys worldwide by sea, air, and land modes to support strategic deployment and operational maneuver in accordance with Army and Joint doctrine. This capability provides flexibility for entry operations (permissive and non-permissive) to counter threat anti-access strategies by using multiple austere entry points to bring in combined arms configured units.

The electric Light Reconnaissance Vehicle (eLRV) platform through electrification will provide commanders a substantial competitive advantage in the Multi-Domain Operational (MDO) Environment against threat capabilities through reduction in acoustic and thermal signature, silent mobility, increased dash speed, extended range, increased reliability and reduction in Class (CL) III requirements. These attributes will enhance lethality and survivability of the mounted reconnaissance squad, platoon and troop.

The electric Infantry Squad Vehicle (eISV) will leverage the Automotive Industry's push into electrification to realize Class III (CL III) and CL IX demand reduction by incorporating COTS and mCOTS battery electric drive systems into a highly mobile, light weight tactical vehicle that provides seating for four soldiers and their associated equipment for a 72-hour mission. The eISV platform, through electrification, will provide commanders a substantial competitive advantage in Multi-Domain Operations (MDO) environment against threat capabilities through reduction in acoustic and thermal signature, silent mobility, increased dash speed, extended range, increased reliability, and reduction in CL III requirements.

Funding supports modernization of the current Tactical Wheeled Vehicle fleets by investigating technology insertions including, but not limited to: predictive logistics, vetronics, Victory Architecture, autonomous operations and other emerging technologies. Funding also supports developing initial prototypes to enable refinement of Operational Requirements and early user feedback to support future sustainment and operational movement operating concepts.

FY 2025 Ground Mobility Vehicles (GMV) budget activities in the amount of \$10.274 million includes eLRV pursuit of Middle Tier of Acquisition Rapid Prototyping (MTA-RP). Product Director Ground Mobility Vehicle (PD GMV) will award contract/agreements to up to four vendors to procure eLRV Prototypes, contractor management support, data, and government management support.

The Army's High Mobility Multipurpose Vehicle (HMMWV) is a lightweight, high performance four-wheel drive, air transportable and air droppable family of tactical vehicles. The vehicle comes armored and unarmored with several different configurations: Command and Control; Cargo/Shelter Carrier; Weapons Carrier and Ambulance and is capable of performing multiple mission roles for personnel and payloads across the full spectrum of military operations.

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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0604642A / <i>Light Tactical Wheeled Vehicles</i>
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A HMMWV Hybrid Electric Vehicle (HEV) introduces fuel demand reduction capability through HEV propulsion and helps mitigate a gap in Large-Scale Combat Operations to employ semi-independent maneuver in a Multi-Domain Operational (MDO) environment. A HMMWV HEV will seek to improve and provide new capabilities that give commanders advantages to enhance maneuver operations such as onboard power, export power, silent watch, and potentially silent mobility.

FY2025 HMMWV HEV budget activities in the amount of \$89.802 million will design, develop and test prototype HMMWV HEV solutions.

B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	0.000	53.564	100.316	-	100.316
Current President's Budget	13.667	53.564	100.257	-	100.257
Total Adjustments	13.667	0.000	-0.059	-	-0.059
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	13.667	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-0.059	-	-0.059

Change Summary Explanation

Decrease of \$0.059 million is due to cost adjustments.

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Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604642A / <i>Light Tactical Wheeled Vehicles</i>	Project (Number/Name) E40 / <i>LTV Prototype</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
E40: <i>LTV Prototype</i>	-	13.667	53.564	100.257	-	100.257	56.175	1.817	0.809	0.817	0.000	227.106
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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The electric Light Reconnaissance Vehicle (eLRV) platform through electrification will provide commanders a substantial competitive advantage in the Multi-Domain Operational (MDO) Environment against threat capabilities through reduction in acoustic and thermal signature, silent mobility, increased dash speed, extended range, increased reliability and reduction in Class (CL) III requirements. These attributes will enhance lethality and survivability of the mounted reconnaissance squad, platoon and troop.

The electric Infantry Squad Vehicle (eISV) will leverage the Automotive Industry's push into electrification to realize Class III (CL III) and CL IX demand reduction by incorporating COTS and mCOTS battery electric drive systems into a highly mobile, light weight tactical vehicle that provides seating for four soldiers and their associated equipment for a 72-hour mission. The eISV platform, through electrification, will provide commanders a substantial competitive advantage in Multi-Domain Operations (MDO) environment against threat capabilities through reduction in acoustic and thermal signature, silent mobility, increased dash speed, extended range, increased reliability, and reduction in CL III requirements.

Funding supports modernization of the current Tactical Wheeled Vehicle fleets by investigating technology insertions including, but not limited to: predictive logistics, vetronics, Victory Architecture, autonomous operations and other emerging technologies. Funding also supports developing initial prototypes to enable refinement of Operational Requirements and early user feedback to support future sustainment and operational movement operating concepts.

FY 2025 Ground Mobility Vehicles (GMV) budget activities in the amount of \$10.274 million includes eLRV pursuit of Middle Tier of Acquisition Rapid Prototyping (MTA-RP). Product Director Ground Mobility Vehicle (PD GMV) will award contract/agreements to up to four vendors to procure eLRV Prototypes, contractor management support, data, and government management support.

The Army's High Mobility Multipurpose Vehicle (HMMWV) is a lightweight, high performance four-wheel drive, air transportable and air droppable family of tactical vehicles. The vehicle comes armored and unarmored with several different configurations: Command and Control; Cargo/Shelter Carrier; Weapons Carrier and Ambulance and is capable of performing multiple mission roles for personnel and payloads across the full spectrum of military operations.

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Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604642A / <i>Light Tactical Wheeled Vehicles</i>	Project (Number/Name) E40 / <i>LTV Prototype</i>
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A HMMWV Hybrid Electric Vehicle (HEV) introduces fuel demand reduction capability through HEV propulsion and helps mitigate a gap in Large-Scale Combat Operations to employ semi-independent maneuver in a Multi-Domain Operational (MDO) environment. A HMMWV HEV will seek to improve and provide new capabilities that give commanders advantages to enhance maneuver operations such as onboard power, export power, silent watch, and potentially silent mobility.

FY2025 HMMWV HEV budget activities in the amount of \$89.802 million will design, develop and test prototype HMMWV HEV solutions.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
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Title: ISV Contract Test Support	-	0.030	-
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Description: Funding is provided for Infantry Squad Vehicle (ISV) contractor test support.

FY 2024 Plans:

Ground Mobility Vehicles (GMV) contractor test support for Infantry Squad Vehicle (ISV) to include Security Force Assistance Brigade (SFAB) kit integration.

FY 2024 to FY 2025 Increase/Decrease Statement:

Decrease as a result of the completion of contractor test support for Infantry Squad Vehicle (ISV) to include Security Force Assistance Brigade (SFAB) kit integration.

Title: ISV Kit Development	-	2.833	-
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Description: Development of ISV kit requirements to include Non-Recurring Engineering (NRE) and Security Force Assistance Brigade (SFAB).

FY 2024 Plans:

The development of ISV kit requirements to include Security Force Assistance Brigade (SFAB).

FY 2024 to FY 2025 Increase/Decrease Statement:

Decrease as a result of the completion of the development and integration of ISV kit requirements to include Security Force Assistance Brigade (SFAB).

Title: ISV Testing	-	0.340	-
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Description: Testing of ISV and kit configurations onto ISV, to include SFAB.

FY 2024 Plans:

Testing of ISV and kit configurations onto ISV, to include SFAB.

FY 2024 to FY 2025 Increase/Decrease Statement:

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
Decrease as a result of the completion of testing of ISV and kit configurations onto ISV, to include SFAB.				
<p>Title: eLRV Prototypes</p> <p>Description: Funding is provided for the support of electric Light Reconnaissance Vehicle (eLRV) Prototypes.</p> <p>FY 2024 Plans: Funding is provided for the support of electric Light Reconnaissance Vehicle (eLRV) Prototypes.</p> <p>FY 2025 Plans: Funding is provided for the support of electric Light Reconnaissance Vehicle (eLRV) Prototypes.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Increase in eLRV supports the use of up to four vendors to acquire three prototypes each for additional developmental testing and Soldier Touch Point 2 (STP2) focusing on operational effectiveness of militarized prototypes.</p>		-	0.938	8.217
<p>Title: eLRV Test and Evaluation</p> <p>Description: Funding is provided for electric Light Reconnaissance Vehicle (eLRV) testing events.</p> <p>FY 2024 Plans: Funding is provided for electric Light Reconnaissance Vehicle (eLRV) safety testing, developmental testing, and Soldier touch point events.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Decrease due to no eLRV Test and Evaluation until FY26.</p>		-	3.004	-
<p>Title: eLRV Contractor Test Support</p> <p>Description: Funding is provided for electric Light Reconnaissance Vehicle (eLRV) contractor test support.</p> <p>FY 2024 Plans: Funding is provided for electric Light Reconnaissance Vehicle (eLRV) contractor test support.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Decrease due to no eLRV Contractor Test Support needed until FY26.</p>		-	0.429	-
<p>Title: eLRV Government Management Support</p> <p>Description: Funding is provided for electric Light Reconnaissance Vehicle (eLRV) government management support.</p> <p>FY 2024 Plans:</p>		-	1.158	1.155

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
Funding is provided for electric Light Reconnaissance Vehicle (eLRV) government management support. FY 2025 Plans: Funding is provided for electric Light Reconnaissance Vehicle (eLRV) government management support. FY 2024 to FY 2025 Increase/Decrease Statement: Decrease due to minor funding adjustment between activities.				
Title: eLRV Contractor Management Support Description: Funding is provided for electric Light Reconnaissance Vehicle (eLRV) contractor management support. FY 2024 Plans: Funding is provided for electric Light Reconnaissance Vehicle (eLRV) contractor management support. FY 2025 Plans: To provide electric Light Reconnaissance Vehicle (eLRV) contractor management support. FY 2024 to FY 2025 Increase/Decrease Statement: Funding has decrease as a result of project lower cost for electric Light Reconnaissance Vehicle (eLRV) contractor management support.		-	0.939	0.902
Title: HMMWV Hybrid Electric Vehicle (HEV) Prototype Design and Manufacturing. Description: Design and manufacturing of HMMWV HEV prototypes. FY 2024 Plans: Funding is provided to support HMMWV HEV prototype design and manufacturing for future developmental testing. Contract will be awarded to up to three vendors for prototype build. Vendors will initiate design and develop a prototype HMMWV HEV solution. FY 2025 Plans: Funding is provided to continue support of HMMWV HEV prototype design and manufacturing for future developmental testing. Vendors will finalize design, integrate and build prototype HMMWV HEV solutions. FY 2024 to FY 2025 Increase/Decrease Statement: Increase in FY25 is due to the transition of designing HMMWV HEV prototypes to building HMMWV HEV Prototypes.		-	33.082	44.627
Title: HMMWV HEV Testing Development Description: Initial HMMWV HEV prototype test planning development.		-	1.795	28.724

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<p>FY 2024 Plans: Funding is provided to support initial HMMWV HEV prototype test planning development.</p> <p>FY 2025 Plans: Funding is provided to support initiation of HMMWV HEV prototype testing.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Increase supports HMMWV HEV transitioning from test planning development to initiating testing.</p>				
<p>Title: HMMWV HEV Contractor Test Support</p> <p>Description: Initial HMMWV HEV prototype test planning development.</p> <p>FY 2024 Plans: Funding is provided to support initial contractor HMMWV HEV prototype test support.</p> <p>FY 2025 Plans: Funding is provided to continue contractor support for HMMWV HEV prototype testing.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Increase in FY25 is due to the increase in contractor support required for test initiation.</p>		-	3.180	9.240
<p>Title: HMMWV HEV Government Management Support</p> <p>Description: Funding is provided for HMMWV HEV government management support.</p> <p>FY 2024 Plans: Funding is provided for HMMWV HEV government management support.</p> <p>FY 2025 Plans: Funding is provided for HMMWV HEV government management support.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Increase needed for additional support required to align HMMWV HEV Government Management Support with planned program workload increase.</p>		-	5.836	7.392
<p>Title: eISV Prototypes</p>		2.442	-	-

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
Description: Funding is provided for the support of electric Infantry Squad Vehicle (eISV) development delivery and support of BEV3 powered eISV prototypes for field experimentation. These prototypes integrate the BEV3 battery (400V 100kWh) on the current US Army ISV design.			
Title: eISV STS	10.937	-	-
Description: Funding is provided for the support of electric Infantry Squad Vehicle (eISV) System Technical Support (STS) Work Directive (WD) for the development delivery and support of BEV3 powered eISV prototypes for field experimentation.			
Title: eISV Government Management Support	0.288	-	-
Description: Funding is provided for the support of electric Infantry Squad Vehicle (eISV) government management support.			
Accomplishments/Planned Programs Subtotals	13.667	53.564	100.257

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• D15505: <i>Ground Mobility Vehicles (Light) GMV (L)</i>	44.316	36.223	34.407	-	34.407	34.448	34.481	34.513	34.858	Continuing	Continuing
• D15402: <i>TRUCK UTILITY HEAVY VARIANT 10000 LB GUW</i>	145.459	25.904	5.265	-	5.265	4.597	80.362	135.287	6.375	0.000	403.249

Remarks

D. Acquisition Strategy
 Infantry Squad Vehicle (ISV): A firm fixed priced production contract was awarded to General Motors Defense (GMD) on 26 June 2020 following successful prototype determination and findings from the ISV Other Transaction Authority (OTA). Per Army Requirements Oversight Council (AROC) on 08 February 2019, the Vice Chief Secretary of Army (VCSA) approved the Acquisition Procurement Objective (APO) of 11 Infantry Brigade Combat Team (IBCT) sets at 59 vehicles per IBCT (649 vehicles) to be completed by FY 2024. During a follow on AROC on 22 February 2019, the VCSA approved the ISV annex to the approved Special Operations Command (SOCOM) GMV1.1 Capabilities Production Document (CPD) which approved the total requirement for the ISV program. On 8 Feb 2021, AROCM 21-01 added 300 Security Force Assistance Brigades (SFAB) vehicles to the Base Of Issue Plan (BOIP) increasing the APO to 949. The APO was increased on 16 Feb 2023 to include an additional 187 ISVs for the 75th Ranger Regiment increasing the APO to 1136.

electric Light Reconnaissance Vehicle (eLRV) :

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
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<p>Product Director Ground Mobility Vehicle (PD GMV) conducted market research and Industry coordination to assess industry capabilities and verify maturity of integration in support of an Army Requirements Oversight Council (AROC) in April 2021. eLRV Abbreviated-Capability Development Document (A-CDD) was validated July 2021. PD GMV will utilize a three-phased acquisition strategy for eLRV.</p> <p>Phase I Initial Prototypes: Will use novel acquisition approaches to award up to four vendors to procure two prototypes each for limited safety/performance testing and a Soldier Touch Point (STP). STP1 will focus on electric drive, off road mobility, and range/duration.</p> <p>Phase II Operational Prototypes: Option to down select at Critical Design Review (CDR) to up to four vendors to procure three prototypes each for additional developmental testing and Operational Demonstration (Ops Demo) focusing on operational effectiveness of militarized prototypes. Knowledge Point 1 (KP) will be conducted after CDR to provide transition Course of Action (COA) recommendations and updated production cost estimate. A Second Knowledge Point will be conducted after Ops Demo to validate the path forward to AROC.</p> <p>Phase III Transition to Production: Utilize Soldier Feedback and test data obtained during Phases I & II presented during Decision Point (DP)/Outcome Determination (OD) to inform updates to Capability Development Document (CDD) and validate proposed transition path forward. COAs for path forward: COA1 Initiate a new Middle Tier of Acquisition (MTA)-Rapid Fielding, COA2 Transition to Major Capability Acquisition (MCA) Pathway at Milestone C, COA3 Transition to MCA Pathway at Milestone B, and COA4 Terminate the program.</p> <p>electric Infantry Squad Vehicle (eISV):</p> <p>GMV will leverage the current STS contract to develop eISV Prototypes through integration of BEV3 battery onto the ISV platform. Upon completion of the prototyping effort and user evaluation, the eISV will demonstrate the operational viability of electric drive train technologies for military use.</p> <p>HMMWV Hybrid Electric Vehicle (HEV): Product Director Light Tactical Vehicle (PD LTV) plans to award a prototype development contract to design, develop and test HMMWV HEV prototypes. The program will leverage data from recent and ongoing Army Rapid Capabilities and Critical Technologies Office (RCCTO) HEV projects and commercial industry advancements to inform HMMWV HEV prototype requirements. Prototype conclusion will provide a decision point for Army Senior Leaders for transition alternatives into a production phase.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army **Date:** March 2024

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Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
ISV Contractor Test Support	Various	General Motor Defense (GM-D) : Various	1.365	-		0.030	Jan 2024	-		-		-	0.000	1.395	-
eLRV Prototypes	TBD	TBD : TBD	0.253	-		0.938	Oct 2023	8.217	Dec 2024	-		8.217	0.000	9.408	-
eLRV Contractor Test Support	TBD	TBD : TBD	-	-		0.429	Oct 2023	-		-		-	0.000	0.429	-
ISV Kit Development	Various	General Motor Defense (GM-D) : Various	-	-		2.833	Oct 2023	-		-		-	0.000	2.833	-
eLRV Contractor Management Support	TBD	TBD : TBD	-	-		0.939	Oct 2023	0.902	Dec 2024	-		0.902	0.000	1.841	-
HMMWV HEV Prototypes	C/TBD	TBD : TBD	-	-		33.082	May 2024	44.627	Mar 2025	-		44.627	0.000	77.709	-
HMMWV HEV Contractor Test Support	C/TBD	TBD : TBD	-	-		3.180	May 2024	9.240	Mar 2025	-		9.240	0.000	12.420	-
eISV Prototype	Various	General Motor Defense (GM-D) : Various	-	2.442	Jan 2024	-		-		-		-	0.000	2.442	-
eISV STS	Various	General Motor Defense (GM-D) : Various	-	10.937	Jan 2024	-		-		-		-	0.000	10.937	-
Subtotal			1.618	13.379		41.431		62.986		-		62.986	0.000	119.414	N/A

Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
eLRV Government Management Support	Various	PM Office : Selfridge ANG	0.345	-		1.158	Oct 2023	1.155	Oct 2024	-		1.155	0.000	2.658	-
HMMWV HEV Government Management Support	Various	PM OFFICE : SELFRIDGE	-	-		5.836	Nov 2023	7.392	Nov 2024	-		7.392	0.000	13.228	-

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
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Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
Phase II IOTE				■																								
ISV Maintenance Evaluation								■																				
ISV Kit Development & Testing	■																											
ISV Full Rate Production (FRP)			▲																									
eLRV Request for Project Proposal (RPP) Development	■																											
eLRV Market Research	■																											
eLRV Other Transaction Authority (OTA) Award # 1								▲																				
eLRV Phase 1 Build					■																							
eLRV Phase 1 Developmental Testing									■																			
eLRV Soldier Touch Point 1													■															
eLRV Critical Design Review (CDR)																												
eLRV Other Transaction Authority (OTA) Award # 2																												
eLRV Knowledge Point (KP) # 1																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
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Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
eLRV Phase 2 Build									████████████████																			
eLRV Phase 2 Developmental Testing													████															
eLRV Soldier Touch Point 2													████															
eLRV Successful Prototype Determination (SPD)																	▲											
eLRV Knowledge Point (KP) # 2																					▲							
HMMWV HEV Prototype Contract Solicitation Development					████████████████																							
HMMWV HEV Prototype Contract Award					▲																							
HMMWV HEV Development					████████████████																							
HMMWV HEV Prototype Build									████																			
HMMWV HEV Integration & Ktr Testing:													████															
HMMWV HEV Prototype USG Developmental Testing													████████████															
HMMWV HEV Production Transition Decision Point																					▲							
eISV Contract Award					▲																							

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
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Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
eISV Engineering					■																							
eISV Build					■■■■■■■■■■																							
eISV Testing													■■■■															
eISV User Evaluation																	■■■■■■■■■■											

Note
ISV Kit Development and Testing includes Infantry Squad Vehicle (ISV) Security Force Assistance Brigade (SFAB) kits.

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604642A / <i>Light Tactical Wheeled Vehicles</i>	Project (Number/Name) E40 / <i>LTV Prototype</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
ISV Production Qualification Testing (PQT)	1	2021	3	2022
ISV First Unit Equipped (FUE)	3	2022	3	2022
Phase II IOTE	4	2023	4	2023
ISV Maintenance Evaluation	2	2024	2	2024
ISV Kit Development & Testing	1	2022	4	2026
ISV Full Rate Production (FRP)	2	2023	2	2023
eLRV Request for Project Proposal (RPP) Development	2	2022	4	2023
eLRV Commerical Electric Vehicle (EV) Purchase	4	2022	4	2022
eLRV Market Research	4	2022	1	2023
eLRV Other Transaction Authority (OTA) Award # 1	1	2024	1	2024
eLRV Phase 1 Build	1	2024	2	2024
eLRV Phase 1 Developmental Testing	3	2024	4	2024
eLRV Soldier Touch Point 1	4	2024	1	2025
eLRV Critical Design Review (CDR)	1	2025	1	2025
eLRV Other Transaction Authority (OTA) Award # 2	1	2025	1	2025
eLRV Knowledge Point (KP) # 1	2	2025	2	2025
eLRV Phase 2 Build	1	2025	1	2026
eLRV Phase 2 Developmental Testing	2	2026	2	2026
eLRV Soldier Touch Point 2	3	2026	4	2026
eLRV Successful Prototype Determination (SPD)	4	2026	4	2026
eLRV Knowledge Point (KP) # 2	4	2026	4	2026
HMMWV HEV Prototype Contract Solicitation Development	2	2023	4	2024

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army **Date:** March 2024

Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604642A / <i>Light Tactical Wheeled Vehicles</i>	Project (Number/Name) E40 / <i>LTV Prototype</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
HMMWV HEV Prototype Contract Award	3	2024	3	2024
HMMWV HEV Development	3	2024	3	2025
HMMWV HEV Prototype Build	3	2025	4	2025
HMMWV HEV Integration & Ktr Testing:	1	2026	2	2026
HMMWV HEV Prototype USG Developmental Testing	2	2026	4	2026
HMMWV HEV Production Transition Decision Point	4	2026	4	2026
eISV Contract Award	2	2024	2	2024
eISV Engineering	2	2024	2	2024
eISV Build	3	2024	3	2025
eISV Testing	4	2025	2	2026
eISV User Evaluation	3	2026	3	2027

Note
ISV Kit Development and Testing includes Infantry Squad Vehicle (ISV) Security Force Assistance Brigade (SFAB) kits.