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**Department of Defense
Fiscal Year (FY) 2025 Budget Estimates**

March 2024



Army

Justification Book Volume 1 of 1

Procurement of W&TCV, Army

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Army • Budget Estimates FY 2025 • Procurement

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PROCUREMENT OF W&TCV, ARMY

Appropriation Language

For construction, procurement, production, and modification of weapons and tracked combat vehicles, equipment, including ordnance, spare parts, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefore, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$3,699,392,000.00 to remain available for obligation until September 30, 2027.

Fiscal Year (FY) 2025 Overseas Operations Costs funding accounted for in the Base budget total \$0.

FY 2023 includes \$95,019,000.00 in OOC execution. FY 2024 includes \$17,956,000.00 in OOC Annualized CR. FY 2025 includes \$16,016,000.00 for the OOC budget request.

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Department of the Army
FY 2025 President's Budget
Exhibit P-1 FY 2025 President's Budget
Total Obligational Authority
2033A BA Summary
(Dollars in Thousands)

Dec 2023

Appropriation: Procurement of Weapons and Tracked Combat Vehicles, Army	FY 2024 PB		FY 2025 Request
	FY 2023 Actuals	Request with CR Adjustments	
<u>Budget Activity</u>			
01. Tracked combat vehicles	7,613,196	3,288,523	3,111,661
02. Weapons and other combat vehicles	613,101	476,998	587,731
20. Undistributed		739,636	
Total Procurement of Weapons and Tracked Combat Vehicles, Army	8,226,297	4,505,157	3,699,392

Department of the Army
 FY 2025 President's Budget
 Exhibit P-1 FY 2025 President's Budget
 Total Obligational Authority
 2033A Detail
 (Dollars in Thousands)

Dec 2023

Appropriation: 2033 Procurement of Weapons and Tracked Combat V				FY 2023 Actuals		FY 2024 PB Request with CR Adjustments		FY 2025 Request	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost	Quantity	Cost
<u>Budget Activity 01: Tracked combat vehicles</u>									
Tracked Combat Vehicles									
1	Armored Multi Purpose Vehicle (AMPV)	A	U	57	1,236,975	91	554,777	81	515,344
2	ASSAULT BREACHER VEHICLE (ABV)	A	U		3,852				5,681
3	M10 Booker		U	29	349,720	33	394,635	33	460,637
Modification of Tracked Combat Vehicles									
4	Stryker (Mod)	A	U						52,471
5	Stryker Upgrade	A	U	184	1,210,848	85	614,282	38	402,840
6	BRADLEY FIRE SUPPORT TEAM (BFIST) VEHICLE	A	U			128	5,232		7,255
7	Bradley Program (MOD)	A	U		2,345,401		158,274		106,937
8	M109 FOV Modifications	A	U		3,028		90,986		42,574
9	Paladin Integrated Management (PIM)	A	U	46	1,009,489	24	469,152	20	417,741

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Department of the Army
 FY 2025 President's Budget
 Exhibit P-1 FY 2025 President's Budget
 Total Obligational Authority
 2033A Detail
 (Dollars in Thousands)

Dec 2023

Appropriation: 2033 Procurement of Weapons and Tracked Combat V				FY 2023 Actuals		FY 2024 PB Request with CR Adjustments		FY 2025 Request	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost	Quantity	Cost
10	IMPROVED RECOVERY VEHICLE (M88 HERCULES)	A	U	14	179,150	0	41,058	10	151,657
11	Joint Assault Bridge	A	U	6	35,990	24	159,804	28	174,779
12	Abrams Upgrade Program	A	U	90	(1,238,743)	34	(697,883)	30	(876,185)
	Less: Advance Procurement (PY)								(-102,440)
					1,238,743		697,883		773,745
13	Abrams Upgrade Program Advance Procurement (CY) C (FY 2024 for FY 2025) (M)						102,440 (102,440)		
	Total Tracked combat vehicles				7,613,196		3,288,523		3,111,661

Budget Activity 02: Weapons and other combat vehicles

Weapons & Other Combat Vehicles

14	Personal Defense Weapon (Roll)	A	U	1,064	3,000	100	510	2,311	4,869
15	M240 Medium Machine Gun (7.62mm)	A	U		12,801		425		3
16	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S	A	U		26,627				
17	Machine Gun, Cal .50 M2 Roll	A	U				3,420		3

Department of the Army
 FY 2025 President's Budget
 Exhibit P-1 FY 2025 President's Budget
 Total Obligational Authority
 2033A Detail
 (Dollars in Thousands)

Appropriation: 2033 Procurement of Weapons and Tracked Combat V				FY 2023 Actuals		FY 2024 PB Request with CR Adjustments		FY 2025 Request	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost	Quantity	Cost
18	Mortar Systems		U		21,946		8,013		8,353
19	LOCATION & AZIMUTH DETERMINATION SYSTEM (LADS	A	U		86,251		3,174		2,543
20	XM320 Grenade Launcher Module (GLM)	A	U		11,703		14,143		17,747
21	Precision Sniper Rifle	A	U		6,436		5,248		5,910
22	Carbine	A	U				571		3
23	Next Generation Squad Weapon	A	U		166,623		292,850		367,292
24	Handgun	A	U				32		34
Mod of Weapons and Other Combat Veh									
25	MK-19 Grenade Machine Gun MODS		U		10,943				5,531
26	M777 Mods	A	U		3,374		18,920		25,998
27	M2 50 Cal Machine Gun MODS	B	U		7,420				
28	Sniper Rifles Modifications		U		143				
29	M119 Modifications	A	U		22,391		13,097		12,823

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Department of the Army
 FY 2025 President's Budget
 Exhibit P-1 FY 2025 President's Budget
 Total Obligational Authority
 2033A Detail
 (Dollars in Thousands)

Dec 2023

Appropriation: 2033 Procurement of Weapons and Tracked Combat V				FY 2023 Actuals		FY 2024 PB Request with CR Adjustments		FY 2025 Request	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost	Quantity	Cost
30	Mortar Modification	A	U				423		
Support Equipment & Facilities									
31	Items Less Than \$5.0m (WOCV-WTCV)		U		5,271		1,148		1,031
32	Production Base Support (WOCV-WTCV)		U		228,171		115,024		135,591
33	CLOSED ACCOUNT ADJUSTMENTS		U		1				
Total Weapons and other combat vehicles					613,101		476,998		587,731
<u>Budget Activity 20: Undistributed</u>									
Undistributed									
34	Adj to Match Continuing Resolution	A	U				739,636		
Total Undistributed							739,636		
Total Procurement of Weapons and Tracked Combat Vehicles, Army					8,226,297		4,505,157		3,699,392

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Line Item Table of Contents (by Appropriation then Line Number)

Appropriation 2033A: Procurement of W&TCV, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
1	01	10	2944G80819	Armored Multi Purpose Vehicle (AMPV).....	Volume 1 - 1
2	01	10	4872G84900	ASSAULT BREACHER VEHICLE (ABV).....	Volume 1 - 11
3	01	10	7181G80820	M10 BOOKER.....	Volume 1 - 17
4	01	20	0230GM0100	Stryker (Mod).....	Volume 1 - 29
5	01	20	0363G85200	Stryker Upgrade.....	Volume 1 - 34
6	01	20	1382GZ3300	BRADLEY FIRE SUPPORT TEAM (BFIST) VEHICLE.....	Volume 1 - 50
7	01	20	1678GZ2400	Bradley Program (MOD).....	Volume 1 - 54
8	01	20	2072GA0400	M109 FOV Modifications.....	Volume 1 - 72
9	01	20	2073GZ0410	Paladin Integrated Management (PIM).....	Volume 1 - 92
10	01	20	3700GA0570	IMPROVED RECOVERY VEHICLE (M88 HERCULES).....	Volume 1 - 102
11	01	20	5225GZ3001	Joint Assault Bridge.....	Volume 1 - 112
12	01	20	6500GA0750	Abrams Upgrade Program.....	Volume 1 - 122
13	01	20	6500GA0750	Abrams Upgrade Program, Advance Procurement.....	Volume 1 - 133

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Appropriation 2033A: Procurement of W&TCV, Army

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14	02	10	0418GN0003	PERSONAL DEFENSE WEAPON (ROLL).....	Volume 1 - 137
15	02	10	2472G13000	M240 Medium Machine Gun (7.62mm).....	Volume 1 - 139
16	02	10	3736G13101	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON SYSTEM.....	Volume 1 - 141
17	02	10	5000GB2000	Machine Gun, Cal .50 M2 Roll.....	Volume 1 - 143
18	02	10	6580G02200	Mortar Systems.....	Volume 1 - 145
19	02	10	6659G08100	LOCATION & AZIMUTH DETERMINATION SYSTEM (LADS).....	Volume 1 - 150
20	02	10	8181G01501	XM320 Grenade Launcher Module (GLM).....	Volume 1 - 152
21	02	10	8190G01506	Precision Sniper Rifle.....	Volume 1 - 158
22	02	10	8201G13501	Carbine.....	Volume 1 - 164
23	02	10	8205G14510	Next Generation Squad Weapon.....	Volume 1 - 166
24	02	10	8635G15325	Handgun.....	Volume 1 - 190
25	02	20	3000GB3000	MK-19 Grenade Machine Gun MODS.....	Volume 1 - 191
26	02	20	3005GZ1700	M777 Mods.....	Volume 1 - 204
27	02	20	3015GB4000	M2 50 Cal Machine Gun MODS.....	Volume 1 - 212
28	02	20	3181GZ1500	Sniper Rifles Modifications.....	Volume 1 - 214
29	02	20	3640GC0401	M119 Modifications.....	Volume 1 - 216

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Appropriation 2033A: Procurement of W&TCV, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
30	02	20	7054G02100	Mortar Modification.....	Volume 1 - 233
31	02	30	1862GL3200	Items Less Than \$5.0m (WOCV-WTCV).....	Volume 1 - 234
32	02	30	3270GC0050	Production Base Support (WOCV-WTCV).....	Volume 1 - 236
33	02	30	9900GC9500	CLOSED ACCOUNT ADJUSTMENTS.....	Volume 1 - 317

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ASSAULT BREACHER VEHICLE (ABV)	4872G84900	2	01	10.....	Volume 1 - 11
Abrams Upgrade Program	6500GA0750	12	01	20.....	Volume 1 - 122
Abrams Upgrade Program, Advance Procurement	6500GA0750	13	01	20.....	Volume 1 - 133
Armored Multi Purpose Vehicle (AMPV)	2944G80819	1	01	10.....	Volume 1 - 1
BRADLEY FIRE SUPPORT TEAM (BFIST) VEHICLE	1382GZ3300	6	01	20.....	Volume 1 - 50
Bradley Program (MOD)	1678GZ2400	7	01	20.....	Volume 1 - 54
CLOSED ACCOUNT ADJUSTMENTS	9900GC9500	33	02	30.....	Volume 1 - 317
Carbine	8201G13501	22	02	10.....	Volume 1 - 164
Handgun	8635G15325	24	02	10.....	Volume 1 - 190
IMPROVED RECOVERY VEHICLE (M88 HERCULES)	3700GA0570	10	01	20.....	Volume 1 - 102
Items Less Than \$5.0m (WOCV-WTCV)	1862GL3200	31	02	30.....	Volume 1 - 234
Joint Assault Bridge	5225GZ3001	11	01	20.....	Volume 1 - 112
LOCATION & AZIMUTH DETERMINATION SYSTEM (LADS)	6659G08100	19	02	10.....	Volume 1 - 150
M10 BOOKER	7181G80820	3	01	10.....	Volume 1 - 17
M109 FOV Modifications	2072GA0400	8	01	20.....	Volume 1 - 72
M119 Modifications	3640GC0401	29	02	20.....	Volume 1 - 216
M2 50 Cal Machine Gun MODS	3015GB4000	27	02	20.....	Volume 1 - 212

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Line Item Title	Line Item Number	Line #	BA	BSA	Page
M240 Medium Machine Gun (7.62mm)	2472G13000	15	02	10.....	Volume 1 - 139
M777 Mods	3005GZ1700	26	02	20.....	Volume 1 - 204
MK-19 Grenade Machine Gun MODS	3000GB3000	25	02	20.....	Volume 1 - 191
MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON SYSTEM	3736G13101	16	02	10.....	Volume 1 - 141
Machine Gun, Cal .50 M2 Roll	5000GB2000	17	02	10.....	Volume 1 - 143
Mortar Modification	7054G02100	30	02	20.....	Volume 1 - 233
Mortar Systems	6580G02200	18	02	10.....	Volume 1 - 145
Next Generation Squad Weapon	8205G14510	23	02	10.....	Volume 1 - 166
PERSONAL DEFENSE WEAPON (ROLL)	0418GN0003	14	02	10.....	Volume 1 - 137
Paladin Integrated Management (PIM)	2073GZ0410	9	01	20.....	Volume 1 - 92
Precision Sniper Rifle	8190G01506	21	02	10.....	Volume 1 - 158
Production Base Support (WOCV-WTCV)	3270GC0050	32	02	30.....	Volume 1 - 236
Sniper Rifles Modifications	3181GZ1500	28	02	20.....	Volume 1 - 214
Stryker (Mod)	0230GM0100	4	01	20.....	Volume 1 - 29
Stryker Upgrade	0363G85200	5	01	20.....	Volume 1 - 34
XM320 Grenade Launcher Module (GLM)	8181G01501	20	02	10.....	Volume 1 - 152

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Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Lookup Matrix by Model

Model:	VARIOUS	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
GM0100	Stryker (Mod)	No

Model:	M2 & M3 Bradley Vehicle Variants	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
GZ2400	Bradley Program (MOD)	No

Model:	M109 Howitzer and M992 FAASV/CAT Vehicles	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
GA0400	M109 FOV Modifications	No

Model:	MK19 Grenade Machine Gun	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
GB3000	MK-19 Grenade Machine Gun MODS	No

Model:	M777A2	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
GZ1700	M777 Mods	No

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Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	M119A3 Howitzer	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
GC0401	M119 Modifications	No

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Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Funding (\$ M)

P-3a Modification Title	PYS	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Exhibit P-3a										
Stryker (Mod)	1,365.371	-	-	52.471	-	52.471	80.732	87.328	60.412	78.703
Bradley Program (MOD)	7,198.295	2,345.401	158.274	106.937	-	106.937	100.391	98.827	75.302	75.222
M109 FOV Modifications	2,198.571	3.028	90.986	42.574	-	42.574	46.453	-	-	-
MK-19 Grenade Machine Gun MODS	92.309	10.943	-	5.531	-	5.531	-	-	-	-
M777 Mods	181.621	3.374	18.920	25.998	-	25.998	2.429	1.559	1.560	1.577
M119 Modifications	396.741	22.391	13.097	12.823	-	12.823	4.642	4.425	9.085	9.870
Totals (Total Obligation Authority)										
Total Obligation Authority	11,432.908	2,385.137	281.277	246.334	0.000	246.334	234.647	192.139	146.359	165.372

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity:
2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 10: Tracked Combat Vehicles

P-1 Line Item Number / Title:
2944G80819 / Armored Multi Purpose Vehicle (AMPV)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0605028A

Line Item MDAP/MAIS Code: 471

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	628	57	91	81	-	81	122	122	131	87	1,711	3,030
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,444.900	1,236.975	554.777	515.344	-	515.344	871.453	890.743	931.891	687.438	14,094.908	22,228.429
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,444.900	1,236.975	554.777	515.344	-	515.344	871.453	890.743	931.891	687.438	14,094.908	22,228.429
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,444.900	1,236.975	554.777	515.344	-	515.344	871.453	890.743	931.891	687.438	14,094.908	22,228.429

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	3,893.153	21,701.316	6,096.451	6,362.272	-	6,362.272	7,143.057	7,301.172	7,113.672	7,901.586	8,237.819	7,336.115

Description:

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).

This line is directly aligned to the Army Next Generation Combat Vehicle Modernization Priority.

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 Family of Vehicles by transferring the current M113 Mission Equipment Packages (MEP) to a new Military Vehicle Derivative (MVD) platform as well as procure AMPVs to fulfill and support various Army capabilities and requirements.

In total, the AMPV Family of Vehicles will account for approximately 30% of the Armored Brigade Combat Team's tracked fleet and consists of the following five variants:

1. Mission Command (MCcmd) Variant: This platform enables effective mission command planning and execution for both the Tactical Operations Center (TOC) and Tactical Command Vehicle (TAC) versions of the Mission Command Variant. It will host current Battle Command Systems, future replacements, and upgrades of hardware and software.
2. Medical Treatment (MT) Variant: 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) Variant: This platform will conduct ambulance type activities and provide casualty evacuation for up to four litter (tactical stretcher) or six ambulatory patients, with a crew of three medical attendants.
4. General Purpose (GP) Variant: 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) Variant: This platform will provide immediate responsive fire support to conduct fast-paced offensive operations.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 10: Tracked Combat Vehicles		P-1 Line Item Number / Title: 2944G80819 / Armored Multi Purpose Vehicle (AMPV)

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0605028A
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Line Item MDAP/MAIS Code: 471

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	57	91	81	-	81	122	122	131	87
	Total Obligation Authority	1,236.975	554.777	515.344	-	515.344	871.453	890.743	931.891	687.438
Total: Secondary Distribution	Quantity	57	91	81	-	81	122	122	131	87
	Total Obligation Authority	1,236.975	554.777	515.344	-	515.344	871.453	890.743	931.891	687.438

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity:
 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 10: Tracked Combat Vehicles

P-1 Line Item Number / Title:
 2944G80819 / Armored Multi Purpose Vehicle (AMPV)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0605028A

Line Item MDAP/MAIS Code: 471

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	G80819 / Armored Multi Purpose Vehicle (AMPV)	P-5a, P-21	A		628 / 2,444.900	57 / 1,236.975	91 / 554.777	81 / 515.344	- / -	81 / 515.344
P-40	Total Gross/Weapon System Cost				628 / 2,444.900	57 / 1,236.975	91 / 554.777	81 / 515.344	- / -	81 / 515.344

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2025 procurement dollars in the amount of \$515.344 million procures 81 Armored Multi-Purpose Vehicles (AMPVs) to include the purchase of Government Furnished Equipment, Government Furnished Material, and kits. Accordingly, FY 2025 procurement covers government engineering, logistics, testing and program management efforts. Funding supports improvements to meet performance specification requirements, user requested system enhancements, and obsolescence management to identify and mitigate diminishing manufacturing and material sources to enable uninterrupted production. Finally, funding supports fleet modifications that address changes to the vehicle configurations, retrofit of previously procured hardware and improvements. AMPV will mitigate current and future capability gaps in force protection, mobility, reliability, and interoperability across the Spectrum of Conflict.

FY 2025 AMPV quantity of 81 is draft and subject to change pending the final Full Rate Production (FRP) option year #3 contract/final negotiated pricing as well as, impact of/if additional procurement/economies of scale.

The FY 2023 actuals for base include \$800.658 million emergency supplemental funding, of which \$510.658 million supports the procurement of 95 replacement vehicles transferred to Ukraine in support of the international effort to counter Russian aggression.

FY 2023 actuals also include \$62.400 million in Section 8121 funding.

FY 2023 quantities and "To Complete" values will be updated in the future.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Army Acquisition Objective (AAO): 2897 vehicles

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10		P-1 Line Item Number / Title: 2944G80819 / Armored Multi Purpose Vehicle (AMPV)
		Item Number / Title [DODIC]: G80819 / Armored Multi Purpose Vehicle (AMPV)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	628	57	91	81	-	81
Gross/Weapon System Cost (\$ in Millions)	2,444.900	1,236.975	554.777	515.344	-	515.344
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	2,444.900	1,236.975	554.777	515.344	-	515.344
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,444.900	1,236.975	554.777	515.344	-	515.344

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	3,893.153	21,701.316	6,096.451	6,362.272	-	6,362.272

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Vehicle Manufacturing - Contractor ^(t)	3,402.885	628	2,137.012	4,148.732	213	883.680	4,219.736	91	383.996	4,328.864	81	350.638	-	-	-	4,328.864	81	350.638
Government Furnished Material (GFM)	-	-	107.857	-	-	212.378	-	-	64.769	-	-	68.850	-	-	-	-	-	68.850
Engineering Change Orders	-	-	28.981	-	-	36.998	-	-	21.611	-	-	16.714	-	-	-	-	-	16.714
Sys Eng / Prog Mgmt (Government)	-	-	64.002	-	-	26.681	-	-	25.687	-	-	25.494	-	-	-	-	-	25.494
Sys Test & Evaluation (Government)	-	-	1.439	-	-	1.831	-	-	2.770	-	-	3.044	-	-	-	-	-	3.044
Training Devices	-	-	28.007	-	-	0.700	-	-	1.385	-	-	0.884	-	-	-	-	-	0.884
Total Package Fielding (TPF)	-	-	37.553	-	-	32.340	-	-	31.098	-	-	24.538	-	-	-	-	-	24.538
System Technical Support (STS)	-	-	40.049	-	-	42.367	-	-	23.461	-	-	25.182	-	-	-	-	-	25.182
<i>Subtotal: Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>2,444.900</i>	<i>-</i>	<i>-</i>	<i>1,236.975</i>	<i>-</i>	<i>-</i>	<i>554.777</i>	<i>-</i>	<i>-</i>	<i>515.344</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>515.344</i>
<i>Subtotal: Flyaway Cost</i>	<i>-</i>	<i>-</i>	<i>2,444.900</i>	<i>-</i>	<i>-</i>	<i>1,236.975</i>	<i>-</i>	<i>-</i>	<i>554.777</i>	<i>-</i>	<i>-</i>	<i>515.344</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>515.344</i>
Gross/Weapon System Cost	3,893.153	628	2,444.900	21,701.316	57	1,236.975	6,096.451	91	554.777	6,362.272	81	515.344	-	-	-	6,362.272	81	515.344

Remarks:

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10	P-1 Line Item Number / Title: 2944G80819 / Armored Multi Purpose Vehicle (AMPV)	Item Number / Title [DODIC]: G80819 / Armored Multi Purpose Vehicle (AMPV)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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The FY 2023 production procures 213 vehicles and FY 2024 production procures 91 vehicles. FY 2023 and FY 2024 quantities will be updated to reflect 213 and 91 when the database reopens for edits.

The FY 2023 delivery schedule was extended by 2 months due to the initial Full Rate Production (FRP) ramp up and the addition of Ukraine Supplemental and Section 8121 funding.

Minimum Sustaining Rate is five (5) per month and the Maximum Sustaining Rate is approximately 16-17 per month.

The Vehicle Manufacturing cost element decreased from prior year to \$350.638 million to procure 81 full rate production vehicles.

The Government Furnished Material (GFM) cost element increases to \$68.850 million to as the number of GFM items now being purchased by the government have increased. GFM procures engines, transmissions, armor kits, and additional parts required to furnish 81 full rate production vehicles.

The Engineering Change Orders (ECOs) cost element decreases to \$16.714 million as items previously purchased as ECOs are now being purchased as GFM items.

The System Engineering / Program Management cost element holds consistent at \$25.494 million as the program transitioned to the Full Rate Production and Deployment phase.

The System Test & Evaluation cost element holds consistent at \$3.044 million to support follow on production testing to ensure vehicles received from the production line are meeting quality standards.

The Training Device cost element slightly decreases to \$.884 million to update training devices to the latest vehicle configuration.

The Total Packaging Fielding cost element decreases to \$24.538 million. This cost element supports fielding AMPVs to different sites in FY 2025 as well as the need for interim supply support Contractor Logistic Support (CLS) until the Defense Logistics Agency (DLA) can fully support all AMPV unique parts. DLA is expected to be onboard to organically support by FY 2026. This cost element provides fielding team support, training material refinement, initial spare parts to support the Army's fielding plans.

The System Technical Support cost element slightly increased to \$25.182 million. This cost element provides engineering support as well as identify production process improvements, manage obsolescence, maintain software, fix issues stemming from test, provide logistics support, and perform problem investigations.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Army	Quantity	57	91	81	-	81
	Total Obligation Authority	1,236.975	554.777	515.344	-	515.344
Total: Secondary Distribution	Quantity	57	91	81	-	81
	Total Obligation Authority	1,236.975	554.777	515.344	-	515.344

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army							Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10			P-1 Line Item Number / Title: 2944G80819 / Armored Multi Purpose Vehicle (AMPV)				Item Number / Title [DODIC]: G80819 / Armored Multi Purpose Vehicle (AMPV)				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Vehicle Manufacturing - Contractor ^(†)		2023	BAE Land Systems / York, PA	Option / FPIF	Warren, MI	Feb 2023	Nov 2025	213	4,148.732	N		
Vehicle Manufacturing - Contractor ^(†)		2024	BAE Land Systems / York, PA	Option / FPIF	Warren, MI	Feb 2024	Jan 2026	91	4,219.736	N		
Vehicle Manufacturing - Contractor ^(†)		2025	BAE Land Systems / York, PA	Option / FPIF	Warren, MI	Mar 2025	Jan 2027	81	4,328.864	N		

^(†) indicates the presence of a P-21

Remarks:

The monthly production rate is expected to increase from the 12 vehicles per month demonstrated in Low Rate Initial Production (LRIP) to approximately 16-17 vehicles per month during Full Rate Production (FRP).

No production breaks are expected at this time.

Additionally, the FY 2025 AMPV quantities are draft and subject to change pending the final Full Rate Production (FRP) option year #3 contract/final negotiated pricing.

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Exhibit P-21, Production Schedule: PB 2025 Army															Date: March 2024														
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10										P-1 Line Item Number / Title: 2944G80819 / Armored Multi Purpose Vehicle (AMPV)										Item Number / Title [DODIC]: G80819 / Armored Multi Purpose Vehicle (AMPV)									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2023														Fiscal Year 2024														BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Vehicle Manufacturing - Contractor																																			
Prior Years Deliveries: 628																																			
1	2023	ARMY		213	0	213																							213						
1	2024	ARMY		91	0	91																							91						
1	2025	ARMY		81	0	81																							81						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: PB 2025 Army															Date: March 2024														
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10										P-1 Line Item Number / Title: 2944G80819 / Armored Multi Purpose Vehicle (AMPV)										Item Number / Title [DODIC]: G80819 / Armored Multi Purpose Vehicle (AMPV)									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2025															Fiscal Year 2026															B A L A N C E		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 4	BAL D U E A S O F 1 O C T	Calendar Year 2025															Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
Vehicle Manufacturing - Contractor																																					
Prior Years Deliveries: 628																																					
1	2023	ARMY		213	0	213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	16	16	16	16	16	16	16	16	16	16	16	46				
1	2024	ARMY		91	0	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	16	16	16	16	16	16	16	1			0				
1	2025	ARMY		81	0	81																												81			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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Exhibit P-21, Production Schedule: PB 2025 Army															Date: March 2024														
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10										P-1 Line Item Number / Title: 2944G80819 / Armored Multi Purpose Vehicle (AMPV)										Item Number / Title [DODIC]: G80819 / Armored Multi Purpose Vehicle (AMPV)									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2027															Fiscal Year 2028															BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027															Calendar Year 2028															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
Vehicle Manufacturing - Contractor																																					
Prior Years Deliveries: 628																																					
1		2023	ARMY	213	167	46	16	16	14																											0	
1		2024	ARMY	91	91	0																														0	
1		2025	ARMY	81	0	81	-	-	-	15	15	15	15	15	6																					0	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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Exhibit P-21, Production Schedule: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10		P-1 Line Item Number / Title: 2944G80819 / Armored Multi Purpose Vehicle (AMPV)
		Item Number / Title [DODIC]: G80819 / Armored Multi Purpose Vehicle (AMPV)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	BAE Land Systems - York, PA	5	10	17	0	10	19	29	0	6	18	24

Remarks:
 The FY 2023 production procures 213 vehicles and will be updated to reflect actuals when the database reopens for edits.
 The monthly production rate is expected to increase from the 12 vehicles per month demonstrated in Low Rate Initial Production (LRIP) to approximately 16-17 vehicles per month during Full Rate Production (FRP).
 No production breaks are expected at this time.
 The FY 2025 AMPV quantities are draft and subject to change pending the final FY 2023 Full Rate Production (FRP) contract/final negotiated pricing.
 "A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity:
 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 10: Tracked Combat Vehicles

P-1 Line Item Number / Title:
 4872G84900 / ASSAULT BREACHER VEHICLE (ABV)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0603804A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	36	11	-	19	-	19	-	4	12	13	-	95
Gross/Weapon System Cost (<i>\$ in Millions</i>)	13.769	3.852	-	5.681	-	5.681	0.079	3.098	10.223	10.325	-	47.027
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	13.769	3.852	-	5.681	-	5.681	0.079	3.098	10.223	10.325	-	47.027
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	13.769	3.852	-	5.681	-	5.681	0.079	3.098	10.223	10.325	-	47.027

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	382.472	350.182	-	299.000	-	299.000	-	774.500	851.917	794.231	-	495.021

Description:

The Assault Breacher Vehicle (ABV) is a tracked combat engineer vehicle for the Army Armored Brigade Combat Team (ABCT) and Combat Engineer Company - Armor (CEC-A). It is designed to breach minefields and barrier obstacles to enable tanks and infantry of the ABCT to maintain pace in offensive combat operations. The Assault Breacher Vehicle provides crew protection and vehicle survivability equal to the M1A1 Abrams tank hull and has the speed and mobility to keep pace with the armor maneuver force. The Assault Breacher Vehicle hull is an overhauled M1A1 Abrams tank hull with modifications for its mission to support engineer companies within ABCTs. The ABV includes two Linear Demolition Charge Systems (modified Mine Clearing Line Charge (MICLC) systems); interchangeable Engineer Breaching System hardware consisting of a Full Width Mine Plow and a Combat Dozer Blade; a Lane Marking System to automatically mark a cleared path behind the Assault Breacher Vehicle; and an integrated day/night vision system. The production / acquisition strategy includes a partnership with Anniston Army Depot (ANAD) for the modification of the Abrams chassis for production of the Assault Breacher Vehicle (ABV).

The Assault Breacher Vehicle Army Acquisition Objective (AAO) is 201. The Army Procurement Objective (APO) is 192.

The ABV-Remote Control System (ABV-RCS) integrates technology to enable remote-control operations and semi-autonomy of the ABV. The ABV-RCS provides an unmanned capability to breach complex obstacles and minefields, while offsetting Soldiers from enemy fire.

The ABV-Remote Control System (ABV-RCS) Army Acquisition Objective (AAO) is 201/Army Procurement Objective (APO) is 36.

The Assault Breacher Vehicle (MOD) budget line funds the modifications of assault bridging equipment. It is used to procure hardware, materials, and hardware installation cost required to complete the modification. Modifications are performed to correct safety deficiencies, increase mission capabilities, extend the useful life, improve supportability, upgrade existing technology, increase efficiency, address obsolescence, improve readiness, and to meet new legal and regulatory requirements. By modifying existing equipment, the Army maintains a ready, supportable inventory of equipment that meets current requirements and regulations at a cost considerable below that of buying new equipment. Installation costs are included in the cost of each hardware kit.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army									
Quantity	11	-	13	-	13	-	4	12	13
Total Obligation Authority	3.852	-	3.887	-	3.887	0.079	3.098	10.223	10.325

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 10: Tracked Combat Vehicles	P-1 Line Item Number / Title: 4872G84900 / ASSAULT BREACHER VEHICLE (ABV)
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0603804A
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Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
ANG	Quantity	-	-	6	-	6	-	-	-	-
	Total Obligation Authority	-	-	1.794	-	1.794	-	-	-	-
Total: Secondary Distribution	Quantity	11	-	19	-	19	-	4	12	13
	Total Obligation Authority	3.852	-	5.681	-	5.681	0.079	3.098	10.223	10.325

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 10: Tracked Combat Vehicles **P-1 Line Item Number / Title:** 4872G84900 / ASSAULT BREACHER VEHICLE (ABV)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0603804A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	G89012 / ASSAULT BREACHER VEHICLE MODS	P-5a	A		36 / 13.769	11 / 3.852	- / -	19 / 5.681	- / -	19 / 5.681
P-40	Total Gross/Weapon System Cost				36 / 13.769	11 / 3.852	- / -	19 / 5.681	- / -	19 / 5.681

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2025 Base procurement dollars in the amount of \$5.681 million supports the upgrade of nineteen (19) Assault Breacher Vehicles with the M1A2 Abrams Heavy Duty Suspension. The upgrade will replace the obsolete A1 suspension and keep the ABV's suspension common to the current Abrams configuration. The upgrade will minimize the logistics footprint, provide for growth for additional future force protection initiatives, and increase the suspension mean time between failures, increasing system availability. Funding will include program startup costs for System Eng/Program Management, Logistics and Fielding support strategies.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10	P-1 Line Item Number / Title: 4872G84900 / ASSAULT BREACHER VEHICLE (ABV)	Item Number / Title [DODIC]: G89012 / ASSAULT BREACHER VEHICLE MODS

ID Code (A=Service Ready, B=Not Service Ready) : A				MDAP/MAIS Code:				
Resource Summary			Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity <i>(Units in Each)</i>	36	11	-	19	-	-	-	19
Gross/Weapon System Cost <i>(\$ in Millions)</i>	13.769	3.852	-	5.681	-	-	-	5.681
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	13.769	3.852	-	5.681	-	-	-	5.681
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	13.769	3.852	-	5.681	-	-	-	5.681
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	382.472	350.182	-	299.000	-	-	-	299.000

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
ABV Hardware - Modifications ^(†)	223.500	36	8.046	251.455	11	2.766	-	-	-	249.000	19	4.731	-	-	-	249.000	19	4.731
Data	-	-	-	-	-	0.042	-	-	-	-	-	0.075	-	-	-	-	-	0.075
Fielding	-	-	-	-	-	0.375	-	-	-	-	-	0.562	-	-	-	-	-	0.562
Transportation	-	-	-	-	-	0.022	-	-	-	-	-	0.052	-	-	-	-	-	0.052
System Engineering/ Program Management	-	-	-	-	-	0.647	-	-	-	-	-	0.261	-	-	-	-	-	0.261
Subtotal: Recurring Cost	-	-	8.046	-	-	3.852	-	-	-	-	-	5.681	-	-	-	-	-	5.681
Subtotal: Hardware Cost	-	-	8.046	-	-	3.852	-	-	-	-	-	5.681	-	-	-	-	-	5.681
Software Cost																		
Non Recurring Cost																		
ABV Software Upgrade	-	-	5.723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	5.723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Software Cost	-	-	5.723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	382.472	36	13.769	350.182	11	3.852	-	-	-	299.000	19	5.681	-	-	-	299.000	19	5.681

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10	P-1 Line Item Number / Title: 4872G84900 / ASSAULT BREACHER VEHICLE (ABV)	Item Number / Title [DODIC]: G89012 / ASSAULT BREACHER VEHICLE MODS

ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Army	Quantity	11	-	13	-	13
	Total Obligation Authority	3.852	-	3.887	-	3.887
ANG	Quantity	-	-	6	-	6
	Total Obligation Authority	-	-	1.794	-	1.794
Total: Secondary Distribution	Quantity	11	-	19	-	19
	Total Obligation Authority	3.852	-	5.681	-	5.681

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2025 Army							Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10			P-1 Line Item Number / Title: 4872G84900 / ASSAULT BREACHER VEHICLE (ABV)				Item Number / Title [DODIC]: G89012 / ASSAULT BREACHER VEHICLE MODS				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
ABV Hardware - Modifications		2023	Anniston Army Depot / Anniston, AL	WR	Detroit Arsenal, MI	Jan 2023	Mar 2024	11	251.455	N		
ABV Hardware - Modifications		2025	Anniston Army Depot / Anniston, AL	WR	Detroit Arsenal, MI	Jan 2025	Dec 2025	19	249.000	N		

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity:
2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 10: Tracked Combat Vehicles

P-1 Line Item Number / Title:
7181G80820 / M10 BOOKER

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604645A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	22	29	33	33	-	33	33	32	33	34	113	362
Gross/Weapon System Cost (<i>\$ in Millions</i>)	286.977	349.720	394.635	460.637	-	460.637	502.011	487.611	490.466	500.170	1,840.808	5,313.035
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	286.977	349.720	394.635	460.637	-	460.637	502.011	487.611	490.466	500.170	1,840.808	5,313.035
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	286.977	349.720	394.635	460.637	-	460.637	502.011	487.611	490.466	500.170	1,840.808	5,313.035

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	13,044.409	12,059.310	11,958.636	13,958.697	-	13,958.697	15,212.455	15,237.844	14,862.606	14,710.882	16,290.336	14,676.892

Description:

Infantry Brigades currently 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. M10 Booker (formerly, Mobile Protected Firepower (MPF)) procurement funding supports production and fielding of the M10 Booker, which will provide the Army's Infantry Brigade Combat Teams (IBCTs) a protected, long range, precision direct-fire capability to ensure freedom of movement during offensive operations and defeat attacking enemy during defensive operations.

On 25 September 2018, the Army Acquisition Executive (AAE) approved the use of Middle Tier Acquisition (MTA) authorities to MPF Rapid Prototyping. On 17 December 2018, Rapid Prototyping contracts were awarded to BAE Systems and General Dynamics Land Systems (GDLS). Delivery of MPF prototypes commenced in 3rd Quarter (3Q) FY 2020 and MTA Rapid Prototyping system level testing occurred from 4th Quarter (4Q) FY 2020 to early 2nd Quarter (2Q) FY 2022.

On 24 June 2022, the AAE approved an MPF Milestone C and on 28 June 2022 GDLS was awarded the MPF Low-Rate Initial Production (LRIP) contract. During LRIP, the Army will complete evaluation of MPF system performance on production vehicles, verify system operational effectiveness and suitability, establish an initial MPF production base, and execute an orderly production ramp-up leading into M10 Booker Full Rate Production (FRP). On 10 June 2023, the Army re-designated MPF as the M10 Booker. An M10 Booker Full Rate Production (FRP) Decision is targeted for 3rd Quarter (3Q) FY 2025 and the M10 Booker First Unit Equipped (FUE) is targeted for 4th Quarter (4Q) 2025.

The M10 Booker Army Acquisition Objective (AAO) is 504 systems.

The M10 Booker Army Procurement Objective (APO) is 350 systems.

This program element is directly aligned with the Next Generation Combat Vehicle (NGCV) Modernization Priority.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army									
Quantity	29	33	33	-	33	33	32	14	-
Total Obligation Authority	349.720	394.635	460.637	-	460.637	502.011	487.611	208.076	-

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 10: Tracked Combat Vehicles **P-1 Line Item Number / Title:** 7181G80820 / M10 BOOKER

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604645A

Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
ANG	Quantity	-	-	-	-	-	-	-	19	34
	Total Obligation Authority	-	-	-	-	-	-	-	282.390	500.170
Total: Secondary Distribution	Quantity	29	33	33	-	33	33	32	33	34
	Total Obligation Authority	349.720	394.635	460.637	-	460.637	502.011	487.611	490.466	500.170

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity:
 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 10: Tracked Combat Vehicles **P-1 Line Item Number / Title:**
 7181G80820 / M10 BOOKER

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604645A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	G80820 / M10 BOOKER	P-5a, P-21	A		22 / 286.977	29 / 349.720	33 / 394.635	33 / 460.637	- / -	33 / 460.637
P-40	Total Gross/Weapon System Cost				22 / 286.977	29 / 349.720	33 / 394.635	33 / 460.637	- / -	33 / 460.637

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2025 Base Procurement dollars in the amount of \$460.637 million supports the production of 33 Full Rate Production (FRP) M10 Booker vehicles, purchase of M10 Booker Initial Spares and Special Tools (ISST), New Equipment Training on vehicles, procurement of Systems Technical Support (STS), build of M10 Booker Training Aids, Devices, Simulators, and Simulations (TADSS), System Test and Evaluation, and performance of Government Program Management of system production and fielding activities.

Production: In FY 2025, a quantity of 33 M10 Booker Full Rate Production (FRP) vehicles will be procured for the Active Component. Primary production activities will occur in Lima, Ohio (turret fabrication); Saginaw, Michigan (hull fabrication); and Anniston, Alabama (final assembly). FY 2025 FRP pricing is projected based on numerous factors utilizing data from LRIP, shifts in inflation, and change from competitive LRIP pricing to sole-source FRP negotiations.

Initial Spares and Special Tools: Includes Authorized Stockage List (ASL), Spares Acquisition Integrated with Production (SAIP), Special Tools and Test Equipment (STTE), and Test, Measurement, and Diagnostic Equipment (TMDE) to support M10 Booker Total Package Fielding (TPF) and New Equipment Training. ASL provides an M10 Booker equipped unit with 60 days of parts necessary to initially sustain the vehicles during fielding and ensure readiness subsequent to fielding. SAIP will prime Army wholesale level supply stocks with M10 Booker spare parts needed to sustain the M10 Booker until replenishment can be accomplished based on spares demands from M10 Booker equipped units. STTE will provide M10 Booker maintainers with required capabilities at the field level beyond those found in the Army's common tools. TMDE includes diagnostic and prognostic equipment; semiautomatic and automated test equipment, to include test program set and calibration test or measurement equipment to perform fault isolation and system diagnostics.

New Equipment Training and De-processing: Includes transportation and support costs at the de-processing site to prepare vehicles for initial fielding. Also funds New Equipment Training for both operators and maintainers as well as continued contractor support for post fielding.

Systems Technical Support (STS): Includes System Engineering, Logistics Engineering, Software Maintenance, and Prime Contractor Program Management. Systems Engineering includes development of engineering changes, obsolescence management to identify material shortages and loss of manufacturing sources, cyber security assessments, and Configuration Management of the M10 Booker Technical Data Package (TDP). Logistics Engineering includes technical and operator manual updates, provisioning updates, and supportability analysis of design changes to the M10 Booker system. Software Maintenance includes software updates for engineering changes, software licenses, and modification of existing software to address emerging cybersecurity issues and maintain M10 Booker system interoperability. Contractor Program Management includes STS contract administration, STS cost and schedule management, and development of contract deliverables and reporting.

Training Devices: Includes procurement of Training Aids, which include Crew Module Unit Player (CMUR), M10 Booker Combat Vehicle Tactical Engagement Simulation System (CVTESS), as well Training Devices, which include Diagnostic Troubleshooting Trainer (DTT) and M10 Booker Advanced Gunnery Training System (AGTS). FY 2025 efforts will focus on procurement of trainers required to support the FY 2025 4th Quarter M10 Booker First Unit Equipped (FUE).

System Test and Evaluation: Follow-on Production Testing (FPT) will be conducted on M10 Booker vehicles. A randomized M10 Booker Low-Rate Initial Production (LRIP) vehicle will be selected off of the production line and be subjected to Reliability, Availability, Maintainability (RAM) testing. This testing will ensure that M10 Booker production is maintaining vehicle quality and performance specifications.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 10: Tracked Combat Vehicles		P-1 Line Item Number / Title: 7181G80820 / M10 BOOKER
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0604645A
Line Item MDAP/MAIS Code: N/A		
<p>Program Management: Includes travel, training, supplies, facilities, equipment, matrix and contractor support staff performing contracting, engineering, logistics, and operations activities to support Full Rate Production (FRP) Phase vehicle production, initial spares procurement, training device production, and System Test and Evaluation (STS).</p> <p>Army Acquisition Objective (AAO): 504 vehicles.</p> <p>Army Procurement Objective (APO): 350 vehicles.</p> <p>This funding line is directly aligned to the Army Next Generation Combat Vehicle (NGCV) Modernization Priority.</p> <p>In accordance with section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110 - 181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p>		

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Exhibit P-5, Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10	P-1 Line Item Number / Title: 7181G80820 / M10 BOOKER	Item Number / Title [DODIC]: G80820 / M10 BOOKER
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	22	29	33	33	-	33
Gross/Weapon System Cost (\$ in Millions)	286.977	349.720	394.635	460.637	-	460.637
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	286.977	349.720	394.635	460.637	-	460.637
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	286.977	349.720	394.635	460.637	-	460.637

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	13,044.409	12,059.310	11,958.636	13,958.697	-	13,958.697

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Non Recurring Cost																		
System Technical Support	-	-	0.144	-	-	10.316	-	-	23.673	-	-	21.354	-	-	-	-	-	21.354
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>0.144</i>	-	-	<i>10.316</i>	-	-	<i>23.673</i>	-	-	<i>21.354</i>	-	-	-	-	-	<i>21.354</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>0.144</i>	-	-	<i>10.316</i>	-	-	<i>23.673</i>	-	-	<i>21.354</i>	-	-	-	-	-	<i>21.354</i>
Hardware Cost																		
Recurring Cost																		
Production - Contractor Furnished End Item ⁽¹⁾	12,716.682	22	279.767	11,128.172	29	322.717	10,142.848	33	334.714	11,447.455	33	377.766	-	-	-	11,447.455	33	377.766
Production - Government Furnished Equipment	-	-	0.606	-	-	1.160	-	-	1.477	-	-	2.015	-	-	-	-	-	2.015
<i>Subtotal: Recurring Cost</i>	-	-	<i>280.373</i>	-	-	<i>323.877</i>	-	-	<i>336.191</i>	-	-	<i>379.781</i>	-	-	-	-	-	<i>379.781</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>280.373</i>	-	-	<i>323.877</i>	-	-	<i>336.191</i>	-	-	<i>379.781</i>	-	-	-	-	-	<i>379.781</i>
Package Fielding Cost																		
Recurring Cost																		
Initial Spares and Special Tools	-	-	3.325	-	-	5.368	-	-	17.660	-	-	22.307	-	-	-	-	-	22.307
New Equipment Training and Deprocessing	-	-	-	-	-	-	-	-	-	-	-	2.645	-	-	-	-	-	2.645
<i>Subtotal: Recurring Cost</i>	-	-	<i>3.325</i>	-	-	<i>5.368</i>	-	-	<i>17.660</i>	-	-	<i>24.952</i>	-	-	-	-	-	<i>24.952</i>

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Exhibit P-5, Cost Analysis: PB 2025 Army												Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10						P-1 Line Item Number / Title: 7181G80820 / M10 BOOKER						Item Number / Title [DODIC]: G80820 / M10 BOOKER					
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:							

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Package Fielding Cost</i>	-	-	3.325	-	-	5.368	-	-	17.660	-	-	24.952	-	-	-	-	-	24.952
Logistics Cost																		
Non Recurring Cost																		
Training Devices - Production	-	-	-	-	-	-	-	-	8.032	-	-	17.834	-	-	-	-	-	17.834
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	8.032	-	-	17.834	-	-	-	-	-	17.834
<i>Subtotal: Logistics Cost</i>	-	-	-	-	-	-	-	-	8.032	-	-	17.834	-	-	-	-	-	17.834
Support - Program Management Cost																		
Government Management	-	-	3.135	-	-	10.159	-	-	9.079	-	-	12.321	-	-	-	-	-	12.321
<i>Subtotal: Support - Program Management Cost</i>	-	-	3.135	-	-	10.159	-	-	9.079	-	-	12.321	-	-	-	-	-	12.321
Support - System Test and Evaluation Cost																		
Test and Evaluation Support	-	-	-	-	-	-	-	-	-	-	-	4.395	-	-	-	-	-	4.395
<i>Subtotal: Support - System Test and Evaluation Cost</i>	-	-	-	-	-	-	-	-	-	-	-	4.395	-	-	-	-	-	4.395
Gross/Weapon System Cost	13,044.409	22	286.977	12,059.310	29	349.720	11,958.636	33	394.635	13,958.697	33	460.637	-	-	-	13,958.697	33	460.637

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Element Breakout	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
System Technical Support	-	-	0.144	-	-	10.316	-	-	23.673	-	-	21.354	-	-	-	-	-	21.354
Systems Technical Support - Contractor Program Management	-	-	0.144	-	-	0.144	-	-	0.150	-	-	0.415	-	-	-	-	-	0.415
Systems Technical Support - Systems Engineering and Logistics Engineering	-	-	-	-	-	10.172	-	-	23.523	-	-	18.494	-	-	-	-	-	18.494
Systems Technical Support - Software Maintenance	-	-	-	-	-	-	-	-	-	-	-	2.445	-	-	-	-	-	2.445

Remarks:
FY 2025 Base Procurement dollars will procure 33 M10 Booker Combat Vehicles.

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Exhibit P-5, Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10	P-1 Line Item Number / Title: 7181G80820 / M10 BOOKER	Item Number / Title [DODIC]: G80820 / M10 BOOKER
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ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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FY 2025 Full Rate Production (FRP) production costs are Government estimates informed by several factors, to include actual costs from LRIP vehicle builds, expectations for future inflation, and projected production contract price increases resulting from transitioning from LRIP pricing secured through competition to FRP pricing through sole-source negotiations.

The Training Devices - Production P-5 cost element increase from FY 2024 to FY 2025 supports the procurement of trainers required to support the FY 2025 4th Quarter M10 Booker First Unit Equipped (FUE).

Government Program Management: Includes travel, training, supplies, facilities, equipment, matrix and contractor support staff performing contracting, engineering, logistics, and operations activities to support Full Rate Production (FRP) Phase vehicle production, initial spares procurement, training device production, and System Test and Evaluation (STS) and fielding efforts.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Army	Quantity	29	33	33	-	33
	Total Obligation Authority	349.720	394.635	460.637	-	460.637
Total:	Quantity	29	33	33	-	33
Secondary Distribution	Total Obligation Authority	349.720	394.635	460.637	-	460.637

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2025 Army								Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10			P-1 Line Item Number / Title: 7181G80820 / M10 BOOKER					Item Number / Title [DODIC]: G80820 / M10 BOOKER				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Production - Contractor Furnished End Item ^(†)		2023	General Dynamics Land Systems / Various	Option / FPIF	Army Contracting Command - Warren, Michigan	May 2023	Nov 2024	29	11,128.172	N		
Production - Contractor Furnished End Item ^(†)		2024	General Dynamics Land Systems / Various	Option / FPIF	Army Contracting Command - Warren, Michigan	Apr 2024	Nov 2025	33	10,142.848	N		
Production - Contractor Furnished End Item ^(†)		2025	General Dynamics Land Systems / Various	SS / FPIF	Army Contracting Command - Warren, Michigan	Jun 2025	Nov 2026	33	11,447.455	N		

^(†) indicates the presence of a P-21

Remarks:

In December 2018, contracts for Mobile Protected Firepower (MPF) Rapid Prototyping were awarded to BAE Systems and General Dynamics Land Systems (GDLS). In 2QFY22, the Source Selection Evaluation Board (SSEB) convened to down-select to a single vendor for Low Rate Initial Production (LRIP). MPF received Milestone C approval from the Army Acquisition Executive (AAE) on 24 June, 2022. GDLS was awarded the LRIP contract.

The first M10 Booker Full Rate Production (FRP) contract award is targeted for 3rd Quarter FY 2025. FY 2025 FRP production costs are Government estimates informed by several factors, to include actual costs from LRIP vehicle builds, expectations for future inflation, and projected production contract price increases resulting from transitioning from LRIP pricing secured through competition to FRP pricing through sole-source negotiations.

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Exhibit P-21, Production Schedule: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10 **P-1 Line Item Number / Title:** 7181G80820 / M10 BOOKER **Item Number / Title [DODIC]:** G80820 / M10 BOOKER

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Production - Contractor Furnished End Item																															
Prior Years Deliveries: 22																															
1		2023	ARMY	29	0	29																							29		
1		2024	ARMY	33	0	33																							33		
1		2025	ARMY	33	0	33																							33		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10 **P-1 Line Item Number / Title:** 7181G80820 / M10 BOOKER **Item Number / Title [DODIC]:** G80820 / M10 BOOKER

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2025													Fiscal Year 2026													BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025													Calendar Year 2026													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
Production - Contractor Furnished End Item																																	
Prior Years Deliveries: 22																																	
1	2023	ARMY	29	0	29	-	2	2	2	2	2	2	2	2	2	3	3	3	4											0			
1	2024	ARMY	33	0	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	4	4	4	0			
1	2025	ARMY	33	0	33										A	-	-	-	-	-	-	-	-	-	-	-	-	-	33				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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Exhibit P-21, Production Schedule: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10 **P-1 Line Item Number / Title:** 7181G80820 / M10 BOOKER **Item Number / Title [DODIC]:** G80820 / M10 BOOKER

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027												Fiscal Year 2028												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027												Calendar Year 2028												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Production - Contractor Furnished End Item																															
Prior Years Deliveries: 22																															
1	2023	ARMY		29	29	0																							0		
1	2024	ARMY		33	33	0																							0		
1	2025	ARMY		33	0	33	-	3	3	3	3	3	3	3	3	3	3												0		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 10	P-1 Line Item Number / Title: 7181G80820 / M10 BOOKER	Item Number / Title [DODIC]: G80820 / M10 BOOKER
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	General Dynamics Land Systems - Various	3	3	6	0	1	17	18	0	12	17	29

Remarks:
 In FY 2022, three additional Low-Rate Initial Production (LRIP) Lot 1 vehicles were procured with Research, Development, Test and Evaluation (RDT&E) funding to support Mobile Protected Firepower (MPF) Full Up System Level (FUSL) Live Fire Testing. These systems will be delivered in March 2024 through May 2024.

The FY 2025 Full Rate Production (FRP) buy includes 33 vehicles, all procured with funding within Weapons and Tracked Combat Vehicles (WTCV) Line Item 7181G80820/Mobile Protected Firepower. The Army intends to award the contract in 3rd Quarter FY 2025.

The gap in scheduled deliveries in Sep-Oct 2026 is a result of the Program being unable to revise the delivery schedule for FY 2024 funded vehicles to reflect current program plans. The Program and Prime Contractor will ensure consistent, continuous production and are not anticipating a break in production between the FY 2024 funded deliveries and the FY 2025 funded deliveries.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:** 0230GM0100 / Stryker (Mod)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0273735A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,365.371	-	-	52.471	-	52.471	80.732	87.328	60.412	78.703	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,365.371	-	-	52.471	-	52.471	80.732	87.328	60.412	78.703	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,365.371	-	-	52.471	-	52.471	80.732	87.328	60.412	78.703	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	4,036.231	-	4,036.231	3,510.087	3,638.667	3,775.750	4,372.389	Continuing	Continuing

Description:

BLI 0230GM0100 / Stryker (Mod) is a new start in FY 2025.

The Stryker (Mod) funding line will fund procurement of Stryker Double-V Hull A1 Commander's Vehicles and related fielding costs to provide Command Post Integrated Infrastructure (CPI2) to the Stryker Brigade Combat Team (SBCT). As one of the Army's top network priorities, CPI2 technologies will be integrated with legacy mission command systems, onto a variation of the Stryker Commander's Vehicle. The integrated systems will provide a mobile and survivable command post solution to the Stryker Brigade Combat Team (SBCT), enabling on-the-move mission command across wider ranges at both the Brigade and Battalion echelons.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	52.471	-	52.471	80.732	87.328	60.412	78.703
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	52.471	-	52.471	80.732	87.328	60.412	78.703

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:** 0230GM0100 / Stryker (Mod)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0273735A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	GM0100 / Stryker (Mod) (Increase Performance)		A		- / 1,365.371	- / -	- / -	- / 52.471	- / -	- / 52.471
P-40	Total Gross/Weapon System Cost				- / 1,365.371	- / -	- / -	- / 52.471	- / -	- / 52.471

Exhibits Schedule					FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	GM0100 / Stryker (Mod) (Increase Performance)		A		- / 80.732	- / 87.328	- / 60.412	- / 78.703	Continuing	Continuing
P-40	Total Gross/Weapon System Cost				- / 80.732	- / 87.328	- / 60.412	- / 78.703	Continuing	Continuing

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2025 Base Procurement dollars in the amount of \$52.471 million supports Command Post Integrated Infrastructure (CPI2) improvements to the Stryker Brigade Combat Team (SBCT) by funding the procurement of Stryker Double-V Hull A1 Commander's Vehicles and related fielding costs. As one of the Army's top network priorities, CPI2 technologies will be integrated with legacy mission command systems onto a variation of the Stryker Commander's Vehicle. The integrated systems will provide a mobile and survivable command post solution to the Stryker Brigade Combat Team (SBCT), enabling on-the-move mission command across wider ranges at both the Brigade and Battalion echelons.

Stryker (Mod) is a new start in FY 2025.

In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-3a, Individual Modification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 0230GM0100 / Stryker (Mod)	Modification Number / Title: GM0100 / Stryker (Mod)

ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years ⁽⁺⁾	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,365.371	-	-	52.471	-	52.471	80.732	87.328	60.412	78.703	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,365.371	-	-	52.471	-	52.471	80.732	87.328	60.412	78.703	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,365.371	-	-	52.471	-	52.471	80.732	87.328	60.412	78.703	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	4,036.231	-	4,036.231	3,510.087	3,638.667	3,775.750	4,372.389	Continuing	Continuing

Budget Years Cost values do not sum to the represented total intentionally:

(+) Prior Years Cost Delta: 1,365.371 million

Description:

The GM0100 Stryker (Mod) is a New Start program in FY 2025.

The Stryker (Mod) funding line will fund procurement of Stryker Double-V Hull A1 Commander's Vehicles and related fielding costs to provide Command Post Integrated Infrastructure (CPI2) to the Stryker Brigade Combat Team (SBCT). As one of the Army's top network priorities, CPI2 technologies will be integrated with legacy mission command systems, onto a variation of the Stryker Commander's Vehicle. The integrated systems will provide a mobile and survivable command post solution to the Stryker Brigade Combat Team (SBCT), enabling on-the-move mission command across wider ranges at both the Brigade and Battalion echelons.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	52.471	-	52.471	80.732	87.328	60.412	78.703
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	52.471	-	52.471	80.732	87.328	60.412	78.703

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Exhibit P-3a, Individual Modification: PB 2025 Army										Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20					P-1 Line Item Number / Title: 0230GM0100 / Stryker (Mod)					Modification Number / Title: GM0100 / Stryker (Mod)			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: VARIOUS				Modification Type: Increase Performance				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> Command Post Integrated Infrastructure (CPI2)													
A Kits													
Recurring													
Hardware	- / -	- / -	- / -	13 / 46.765	- / -	13 / 46.765	23 / 77.990	24 / 81.497	16 / 57.769	18 / 74.761	Continuing	Continuing	
Fielding	- / -	- / -	- / -	- / 12.625	- / -	- / 12.625	- / 12.742	- / 5.831	- / 2.643	- / 3.942	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	13 / 49.390	- / -	13 / 49.390	23 / 80.732	24 / 87.328	16 / 60.412	18 / 78.703	Continuing	Continuing	
Non-Recurring													
Tooling	- / -	- / -	- / -	- / 13.081	- / -	- / 13.081	- / -	- / -	- / -	- / -	Continuing	Continuing	
<i>Subtotal: Non-Recurring</i>	- / -	- / -	- / -	- / 13.081	- / -	- / 13.081	- / -	- / -	- / -	- / -	Continuing	Continuing	
<i>Subtotal: Command Post Integrated Infrastructure (CPI2)</i>	- / -	- / -	- / -	13 / 52.471	- / -	13 / 52.471	23 / 80.732	24 / 87.328	16 / 60.412	18 / 78.703	Continuing	Continuing	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	13 / 52.471	- / -	13 / 52.471	23 / 80.732	24 / 87.328	16 / 60.412	18 / 78.703	Continuing	Continuing	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	1,365.371	-	-	52.471	-	52.471	80.732	87.328	60.412	78.703	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20			P-1 Line Item Number / Title: 0230GM0100 / Stryker (Mod)			Modification Number / Title: GM0100 / Stryker (Mod)	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 1 of 1: Command Post Integrated Infrastructure (CPI2)							
Manufacturer Information							
Manufacturer Name: GDLS				Manufacturer Location: Sterling Heights, Michigan			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 20			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates			Mar 2025	Mar 2026	Mar 2027	Mar 2028	Mar 2029
Delivery Dates			Oct 2026	Oct 2027	Oct 2028	Oct 2029	Oct 2030
Installation Information							
Method of Implementation (Organic): Contractor					Installation Quantity: 0		

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:** 0363G85200 / Stryker Upgrade

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0203735A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	1,171	184	85	38	-	38	70	79	62	11	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	4,481.190	1,210.848	614.282	402.840	-	402.840	496.935	457.614	450.969	250.653	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	4,481.190	1,210.848	614.282	402.840	-	402.840	496.935	457.614	450.969	250.653	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4,481.190	1,210.848	614.282	402.840	-	402.840	496.935	457.614	450.969	250.653	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	3,826.806	6,580.696	7,226.847	10,601.053	-	10,601.053	7,099.071	5,792.582	7,273.694	22,786.636	Continuing	Continuing

Description:

A dynamic, asymmetric threat and operational environment demands full spectrum, strategically responsive, agile, and dominant land forces. Immediate response by a lethal, versatile, tactically agile joint force capable of operational maneuver is essential to fulfilling the Army's Warfighting needs. The Stryker-equipped Brigade Combat Team (BCT) is this force. The use of a common platform/common chassis design reduces requirements for repair parts and logistics support in the area of operations. In response to operational needs identified in the Theater of Operations, the Stryker Double-V-Hull (DVH) survivability enhancement was approved for development and production by Acquisition Decision Memorandums (ADM) signed April 2010 and May 2011, respectively. The May 2011 ADM approved production of two Brigades, a 3rd DVH Brigade was approved in September 2011 with a 4th approved in September 2014. A DVH brigade is constructed through an exchange effort by which components and mission equipment packages are removed from flat bottom hull Strykers to be reassembled in the DVH structure along with the associated DVH unique components. In May 2012, Phase 1 (Technology Development), Stryker DVH A1 Engineering Change Proposal (DVHA1 ECP), formerly ECP1, development effort was approved to provide power generation, suspension, and network upgrades to restore Stryker DVH Space, Weight, and Power-Cooling (SWaP-C) lost as a result of incorporating vehicle changes to counter threats encountered during deployment operations. In May 2013, Phase II for the DVH A1 ECP development effort was approved. The DVH A1 ECP was approved for production in August 2016, with the DVH A1 ECP vehicles being produced using the exchange production process. Stryker Brigade Combat Teams (SBCTs), equipped with DVH A1 ECP vehicles, can be used across the full spectrum of military operations. Stryker Brigade Combat Teams (SBCTs) are required to deploy rapidly and conduct effective combat operations immediately on arrival to prevent, contain, stabilize, or resolve a conflict through shaping and decisive operations. On 23 March 2018, the Army Requirements Oversight Council (AROC) approved the exchange of all remaining flat bottom hull Stryker Brigades from flat bottom hull to DVH A1 ECP. Program Office awarded on 30 June 2020 a follow-on DVH A1 ECP requirements contract for FY 2020 - 2025, with an additional one year option. Production of Stryker DVH A1 ECP vehicles for this contract will be produced through a blend of new vehicle production and the current exchange process due to the limited available inventory of flat bottom hull Strykers required to feed the exchange production process. Configurations of Stryker DVHA1 ECP vehicles are:

Double-V-Hull A1 ECP Infantry Carrier: The DVH A1 ECP Infantry Carrier Vehicle (ICVVA1) carries an infantry squad with individual equipment. The Infantry Carrier Vehicle also provides protected transport and supporting fires for the infantry squad during dismounted assault. DVH A1 ECP Infantry Carrier Vehicles with a Scout Dismount Kit provide for dismounted force situational awareness, gathering, and transmitting real time intelligence while moving throughout the battlefield in close, complex, and urban terrain.

Double-V-Hull A1 ECP Mortar Carrier: The DVH A1 ECP Mortar Carrier (MCVVA1) supports infantry units with screening obscurants, suppressive forces and on-call supporting fires. 120mm, 81mm, and 60mm mortars provide complementary capabilities with responsive, accurate and lethal indirect fire support to the dismounted infantry assault.

Double-V-Hull A1 ECP Commander's Vehicle: The DVH A1 ECP Commander's Vehicle (CVVA1) provides the brigade commanders and infantry battalion commanders with the means to receive information and data, analyze, prepare, and transmit data, and control the forces/functions carrying out combat missions.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles		P-1 Line Item Number / Title: 0363G85200 / Stryker Upgrade
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0203735A
Line Item MDAP/MAIS Code: N/A		

Double-V-Hull A1 ECP Fire Support Vehicle: The DVH A1 ECP Fire Support Vehicle (FSVVA1) provides automated enhanced surveillance, target acquisition, target identification, target tracking, target designation, position location, and communications functionality. Targets will be transmitted instantly to the fire support system and shooter.

Double-V-Hull A1 ECP Engineer Squad Vehicle: The DVH A1 ECP Engineer Squad Vehicle (ESVVA1) provides maneuver/mobility support capabilities which include obstacle clearing, in-stride breaching of surface mines, proofing of subsurface mines, and smoke generation for local protection.

Double-V-Hull A1 ECP Medical Evacuation Vehicle: The DVH A1 ECP Medical Evacuation Vehicle (MEVVA1) is the Battalion Aid Station for brigade units, providing treatment for serious injury and advanced trauma cases.

Double-V-Hull A1 ECP Antitank Guided Missile Vehicle: The DVH A1 ECP Antitank Guided Missile Vehicle (ATVVA1) is the brigade's primary tank killing system. The Antitank Guided Missile Vehicle (ATW) reinforces the brigade's infantry battalion, reinforces the brigade reconnaissance squadron, and provides long-range direct fire.

Double V Hull A1 (DVHA1) ICVVA1-30mm (formerly Medium Caliber Weapon System (MCWS)): The Stryker ICVVA1-30mm integrates a 30mm cannon onto the DVHA1 platform to provide increased lethality, capable of firing a variety of munitions designed to support mounted and dismounted elements when executing combined arms maneuver and wide area security operations. The ICVVA1-30mm provides protected transport for an infantry or cavalry squad with individual equipment.

Procuring Double-V-Hull A1 ECP Medical Evacuation Vehicles to support Terrestrial Layered System (TLS) Program for Project Manager (PM) Electronic Warfare and Cyber.

Modifications to the Stryker Family of Vehicles (FoV) are to resolve reliability, lethality, safety, operational, performance degradation, chemical detection and Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) obsolescence issues. Primary efforts involve the testing and incorporation of fleet modifications, to include, C4ISR updates, DVH Safety and Survivability updates, training device procurement and the retrofit of Lethality Engineering Change Proposals (ECPs) (formerly ECP 2) upgrades to enhance the suppressive fire and armored vehicle engagement capabilities of the Army's Stryker Brigade Combat Teams (SBCTs).

Training Aids, Devices, Simulators, and Simulations (TADSS): Funding provides for the integration of the Vehicle Tactical Engagement Simulation System (V-TESS), Javelin Outdoor Training System (JOTS), and supports the United States Army Combined Arms Support Command (CASCOM) and the requirement for the Stryker Vehicle Maintainer Training Course to support establishment of the Stryker-unique 91S Military Occupational Series (MOS). The 91S training course requires purchase of the following training devices: Diagnostic Troubleshooting Trainers (DTTs), Anti-Tank Guided Missile Vehicle Hands-On Trainers (HOTs), Full-Up Power Pack Part Task Trainers (FUPP PTTs), Mortar Carrier Hands-On Trainers (MC HOTs).

Retrofit Planning and Site Management: Funding supports kit material handling and fleet-wide retrofits for the Stryker Family of Vehicles (FoV).

Test Fleet Maintenance funding maintains the Stryker test fleet, to include contractor repair labor and operations of Stryker repair parts warehouses located at the Army's test centers.

Program management, engineering, and logistics support necessary to execute Stryker modifications to include DVH A1 ECPs, Fleet Modifications, C4I Obsolescence and Next Generation items, and Lethality ECPs.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	184	85	38	-	38	70	79	62	11
	Total Obligation Authority	1,210.848	614.282	402.840	-	402.840	496.935	457.614	450.969	250.653
Total:	Quantity	184	85	38	-	38	70	79	62	11

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles	P-1 Line Item Number / Title: 0363G85200 / Stryker Upgrade
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0203735A
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Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Secondary Distribution	Total Obligation Authority	1,210.848	614.282	402.840	-	402.840	496.935	457.614	450.969	250.653

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity:
 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:**
 0363G85200 / Stryker Upgrade

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0203735A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	G85200 / Stryker Upgrade	P-5a, P-21	A		1,171 / 4,481.190	184 / 1,210.848	85 / 614.282	38 / 402.840	- / -	38 / 402.840
P-40	Total Gross/Weapon System Cost				1,171 / 4,481.190	184 / 1,210.848	85 / 614.282	38 / 402.840	- / -	38 / 402.840

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2025 Base procurement dollars in the amount of \$402.840 million supports the following:

The production of Double V Hull A1 (DVH A1) Engineering Change Proposal (ECP) vehicles, produced using flat bottom Stryker exchange and new production build processes, providing increased electrical power, mechanical power, weight margin, and cooling. Combined with a digital backbone, the enhanced DVH A1 ECP fleet will be able to host the future network while maintaining protection and mobility characteristics.

Lethality ECPs include efforts to replace the current Remote Weapon Station with the Common Remotely Operated Weapon Station (CROWS) with under armor Javelin fire capability, integrate improved optics and targeting systems onto the Anti-Tank Guided Missile (ATGM) vehicle, incorporate the 30mm Lethality Mission Equipment Package (MEP) onto a DVH A1 platform, incorporate improved ammunition suites onto the ICVVA-30mm, and integrate other capabilities into the Stryker fleet. These improvements will provide for increased under armor fire capability, target identification range, provide overmatch against peer threats and supporting infantry assault, and address obsolescence within the targeting and reconnaissance systems utilized on the Stryker Family of Vehicles (FoV).

Stryker Family of Vehicles (FoV) fleet modifications address changes to the vehicle configurations resulting from identified safety issues, performance degradation issues, obsolescence issues, Modified Table of Organization & Equipment (MTO&E) changes, or Operational Need Statements (ONS). Scheduled modifications include: DVH survivability and safety modifications, refresh of the Fire Support Vehicle (FSV) Mission Equipment Package (MEP) and integration of emerging technologies such as improved power solution efforts. Modifications will be conducted by field modification teams, subject to vehicle/hardware availability.

Fielding Support and Authorized Stockage List for DVHA1 include New Equipment Training, transportation, initial spares, wholesale pipeline fill, interim Contractor Logistics Support for ICVVA1-30mm (MCWS), and Field Service Representative (FSR) support.

Retrofit planning and site management funding provides for kit material handling and retrofit site management to support fleet-wide retrofits of the Stryker FoV.

Training Aids, Devices, Simulators, and Simulations (TADSS) funding provides for the integration of the Vehicle Tactical Engagement Simulation System (V-TESS) Javelin Outdoor Training System (JOTS) and supports the United States Army Combined Arms Support Command (CASCOM) and the requirement for the Stryker Vehicle Maintainer Training Course to support establishment of the Stryker-unique 91S Military Occupational Series (MOS). The 91S training course requires purchase of the Diagnostic Troubleshooting Trainers (DTTs).

Test Fleet Maintenance maintains the Stryker test fleet, to include contractor repair labor and operation of Stryker repair parts warehouses located at the Army's test centers (Aberdeen Proving Grounds, Yuma Proving Grounds, and Electronic Proving Grounds). Maintenance is required to ensure the test fleet is positioned to support testing needs and is in the appropriate condition to ensure accurate and verifiable test results.

Development Test on Stryker In-Vehicle Network 2 modification and 30mm Lethality vehicle production testing which includes safety, performance, durability, and environmental tests.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles		P-1 Line Item Number / Title: 0363G85200 / Stryker Upgrade
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0203735A
Line Item MDAP/MAIS Code: N/A		
<p>Program management, engineering, and logistics support necessary to execute Stryker modifications to include Double V Hull (DVH) A1 Engineering Change Proposals (ECPs), Fleet Modifications, Command, Control, Communications, Computers, and Intelligence (C4I) Obsolescence and Next Generation items, and Lethality ECPs.</p> <p>The FY 2023 actuals for base include \$321.590 million emergency supplemental funding to support procurement of replacement vehicles and mine rollers transferred to Ukraine in support of the international effort to counter Russian aggression.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>Army Acquisition Objective: 4,459</p> <p>The Army Acquisition Objective includes quantity requirements for Stryker Brigade Combat Teams and other Army programs of record which utilize the Stryker vehicle as their base platform.</p>		

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Exhibit P-5, Cost Analysis: PB 2025 Army											Date: March 2024						
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20						P-1 Line Item Number / Title: 0363G85200 / Stryker Upgrade					Item Number / Title [DODIC]: G85200 / Stryker Upgrade						
ID Code (A=Service Ready, B=Not Service Ready) : A											MDAP/MAIS Code:						
Resource Summary				Prior Years		FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Procurement Quantity (Units in Each)				1,171		184		85		38		-		38			
Gross/Weapon System Cost (\$ in Millions)				4,481.190		1,210.848		614.282		402.840		-		402.840			
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-			
Net Procurement (P-1) (\$ in Millions)				4,481.190		1,210.848		614.282		402.840		-		402.840			
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-			
Total Obligation Authority (\$ in Millions)				4,481.190		1,210.848		614.282		402.840		-		402.840			
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																	
Initial Spares (\$ in Millions)				-		-		-		-		-		-		-	
Gross/Weapon System Unit Cost (\$ in Thousands)				3,826.806		6,580.696		7,226.847		10,601.053		-		10,601.053			

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
DVH A1 ECP Infantry Carrier Vehicle ^(†)	2,424.438	521	1,263.132	5,585.207	121	675.810	3,249.566	53	172.227	3,214.286	28	90.000	-	-	-	3,214.286	28	90.000
DVH A1 ECP Anti-Tank Guided Missile Veh ^(†)	2,863.548	31	88.770	-	-	-	3,818.600	5	19.093	-	-	-	-	-	-	-	-	-
DVH A1 ECP Mortar Carrier Vehicle ^(†)	2,892.891	119	344.254	3,474.368	19	66.013	3,668.500	6	22.011	3,541.800	5	17.709	-	-	-	3,541.800	5	17.709
DVH A1 ECP Fire Support Vehicle ^(†)	2,862.614	44	125.955	3,981.833	6	23.891	3,467.000	5	17.335	-	-	-	-	-	-	-	-	-
DVH A1 ECP Engineer Squad Vehicle ^(†)	2,837.625	40	113.505	3,596.667	6	21.580	3,545.400	5	17.727	-	-	-	-	-	-	-	-	-
DVH A1 ECP Commander's Vehicle ^(†)	2,728.991	108	294.731	3,259.565	23	74.970	3,549.500	6	21.297	3,486.000	5	17.430	-	-	-	3,486.000	5	17.430
DVH A1 ECP Medical Evacuation Vehicle ^(†)	2,852.496	131	373.677	3,278.333	9	29.505	3,527.200	5	17.636	-	-	-	-	-	-	-	-	-
DVH A1 30mm MCWS	6,247.000	142	887.074	-	-	-	-	-	10.693	-	-	-	-	-	-	-	-	-
Program Management Support (Govt)	-	-	188.557	-	-	53.272	-	-	44.168	-	-	37.514	-	-	-	-	-	37.514
Government Furnished Equipment (GFE)	-	-	28.326	-	-	1.941	-	-	1.032	-	-	0.481	-	-	-	-	-	0.481

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Exhibit P-5, Cost Analysis: PB 2025 Army												Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20						P-1 Line Item Number / Title: 0363G85200 / Stryker Upgrade						Item Number / Title [DODIC]: G85200 / Stryker Upgrade					
ID Code (A=Service Ready, B=Not Service Ready) : A												MDAP/MAIS Code:					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Recurring Cost</i>	-	-	3,707.981	-	-	946.982	-	-	343.219	-	-	163.134	-	-	-	-	-	163.134
<i>Subtotal: Flyaway Cost</i>	-	-	3,707.981	-	-	946.982	-	-	343.219	-	-	163.134	-	-	-	-	-	163.134
Hardware Cost																		
Recurring Cost																		
Fleet Modifications	-	-	44.879	-	-	1.691	-	-	8.468	-	-	1.999	-	-	-	-	-	1.999
CROWS-J ECP	-	-	50.567	-	-	69.313	-	-	63.877	-	-	68.528	-	-	-	-	-	68.528
ATGM ECP	-	-	41.737	-	-	1.171	-	-	4.715	-	-	-	-	-	-	-	-	-
MCWS 30mm	-	-	-	-	-	-	-	-	-	-	-	5.461	-	-	-	-	-	5.461
<i>Subtotal: Recurring Cost</i>	-	-	137.183	-	-	72.175	-	-	77.060	-	-	75.988	-	-	-	-	-	75.988
<i>Subtotal: Hardware Cost</i>	-	-	137.183	-	-	72.175	-	-	77.060	-	-	75.988	-	-	-	-	-	75.988
Package Fielding Cost																		
Recurring Cost																		
System Fielding Support - DVH A1	-	-	253.117	-	-	50.477	-	-	57.987	-	-	55.758	-	-	-	-	-	55.758
<i>Subtotal: Recurring Cost</i>	-	-	253.117	-	-	50.477	-	-	57.987	-	-	55.758	-	-	-	-	-	55.758
Non Recurring Cost																		
Authorized Stockage List - DVH A1	-	-	133.669	-	-	29.290	-	-	29.173	-	-	10.858	-	-	-	-	-	10.858
<i>Subtotal: Non Recurring Cost</i>	-	-	133.669	-	-	29.290	-	-	29.173	-	-	10.858	-	-	-	-	-	10.858
<i>Subtotal: Package Fielding Cost</i>	-	-	386.786	-	-	79.767	-	-	87.160	-	-	66.616	-	-	-	-	-	66.616
Logistics Cost																		
Recurring Cost																		
Retrofit Planning and Site Management	-	-	14.406	-	-	7.658	-	-	8.390	-	-	10.269	-	-	-	-	-	10.269
<i>Subtotal: Recurring Cost</i>	-	-	14.406	-	-	7.658	-	-	8.390	-	-	10.269	-	-	-	-	-	10.269
<i>Subtotal: Logistics Cost</i>	-	-	14.406	-	-	7.658	-	-	8.390	-	-	10.269	-	-	-	-	-	10.269
Support - Support Equipment Cost																		
Maintenance Equipment	-	-	8.084	-	-	2.887	-	-	4.351	-	-	4.396	-	-	-	-	-	4.396
<i>Subtotal: Support - Support Equipment Cost</i>	-	-	8.084	-	-	2.887	-	-	4.351	-	-	4.396	-	-	-	-	-	4.396
Support - System Engineering Cost																		
System Engineering	-	-	144.338	-	-	58.339	-	-	37.638	-	-	31.893	-	-	-	-	-	31.893
<i>Subtotal: Support - System Engineering Cost</i>	-	-	144.338	-	-	58.339	-	-	37.638	-	-	31.893	-	-	-	-	-	31.893
Support - System Test and Evaluation Cost																		

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Exhibit P-5, Cost Analysis: PB 2025 Army												Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20						P-1 Line Item Number / Title: 0363G85200 / Stryker Upgrade						Item Number / Title [DODIC]: G85200 / Stryker Upgrade					
ID Code (A=Service Ready, B=Not Service Ready) : A												MDAP/MAIS Code:					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Development Test and Evaluation	-	-	25.429	-	-	25.466	-	-	17.676	-	-	17.232	-	-	-	-	-	17.232
Test and Evaluation Support	-	-	12.130	-	-	8.044	-	-	7.586	-	-	4.192	-	-	-	-	-	4.192
<i>Subtotal: Support - System Test and Evaluation Cost</i>	-	-	37.559	-	-	33.510	-	-	25.262	-	-	21.424	-	-	-	-	-	21.424
Support - Training Cost																		
Equipment	-	-	44.853	-	-	9.530	-	-	31.202	-	-	29.120	-	-	-	-	-	29.120
<i>Subtotal: Support - Training Cost</i>	-	-	44.853	-	-	9.530	-	-	31.202	-	-	29.120	-	-	-	-	-	29.120
Gross/Weapon System Cost	3,826.806	1,171	4,481.190	6,580.696	184	1,210.848	7,226.847	85	614.282	10,601.053	38	402.840	-	-	-	10,601.053	38	402.840

Remarks:

Stryker DVHA1 variant unit costs fluctuate annually based on the total quantity of DVHA1 vehicles procured and the quantities of individual variants procured as established in the DVHA1 contract range pricing.

Amount for DVH A1 30mm MCWS cost FY 2025 under Flyaway Cost - Recurring Cost, represent the funding for System Technical Support specific to the DVH A1 30mm MCWS, and is not quantity dependent.

Based on actual execution of the program FY 2023 quantities are now 297 and will be updated prior to the FY 2026 budget submission. Details of the FY 2023 quantities totaling 297 are below:

- DVHA1 ECP Infantry Carrier Vehicle
June 2023 Order: 121; June 2023 (Tranche 12) Order: 90; March 2024 Order: 14; Total: 225
- DVHA1 ECP Anti-Tank Guided Missile Vehicle
June 2023 Order: 0; June 2023 (Tranche 12) Order: 0; March 2024 Order: 0; Total: 0
- DVHA1 ECP Mortar Carrier Vehicle
June 2023 Order: 19; June 2023 (Tranche 12) Order: 0; March 2024 Order: 3; Total: 22
- DVHA1 ECP Fire Support Vehicle
June 2023 Order: 6; June 2023 (Tranche 12) Order: 0; March 2024 Order: 2; Total: 8
- DVHA1 ECP Engineer Squad Vehicle
June 2023 Order: 6; June 2023 (Tranche 12) Order: 0; March 2024 Order: 1; Total: 7
- DVHA1 ECP Commander's Vehicle
June 2023 Order: 23; June 2023 (Tranche 12) Order: 0; March 2024 Order: 3; Total: 26
- DVHA1 ECP Medical Evacuation Vehicle

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Exhibit P-5, Cost Analysis: PB 2025 Army	Date: March 2024
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Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 0363G85200 / Stryker Upgrade	Item Number / Title [DODIC]: G85200 / Stryker Upgrade
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ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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June 2023 Order: 9; June 2023 (Tranche 12) Order: 0; March 2024 Order: 0; Total: 9

- DVHA1 30mm MCWS

June 2023 Order: 0; June 2023 (Tranche 12) Order: 0; March 2024 Order: 0; Total: 0

- Total FY 2023 Quantities

June 2023 Order: 184; June 2023 (Tranche 12) Order: 90; March 2024 Order: 23; Total: 297

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Army	Quantity	184	85	38	-	38
	Total Obligation Authority	1,210.848	614.282	402.840	-	402.840
Total: Secondary Distribution	Quantity	184	85	38	-	38
	Total Obligation Authority	1,210.848	614.282	402.840	-	402.840

(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 0363G85200 / Stryker Upgrade	Item Number / Title [DODIC]: G85200 / Stryker Upgrade
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
DVH A1 ECP Infantry Carrier Vehicle ^(†)		2023	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2023	Sep 2024	121	5,585.207	Y		
DVH A1 ECP Infantry Carrier Vehicle ^(†)		2024	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2024	Sep 2025	53	3,249.566	Y		
DVH A1 ECP Infantry Carrier Vehicle ^(†)		2025	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2025	Sep 2026	28	3,214.286	Y		
DVH A1 ECP Anti-Tank Guided Missile Veh		2024	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2024	Dec 2025	5	3,818.600	Y		
DVH A1 ECP Mortar Carrier Vehicle ^(†)		2023	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2023	Jan 2025	19	3,474.368	Y		
DVH A1 ECP Mortar Carrier Vehicle ^(†)		2024	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2024	Jan 2026	6	3,668.500	Y		
DVH A1 ECP Mortar Carrier Vehicle ^(†)		2025	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2025	Nov 2026	5	3,541.800	Y		
DVH A1 ECP Fire Support Vehicle		2023	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2023	Oct 2024	6	3,981.833	Y		
DVH A1 ECP Fire Support Vehicle		2024	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2024	Jan 2026	5	3,467.000	Y		
DVH A1 ECP Engineer Squad Vehicle		2023	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2023	Oct 2024	6	3,596.667	Y		
DVH A1 ECP Engineer Squad Vehicle		2024	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2024	Oct 2025	5	3,545.400	Y		
DVH A1 ECP Commander's Vehicle ^(†)		2023	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2023	Nov 2024	23	3,259.565	Y		
DVH A1 ECP Commander's Vehicle ^(†)		2024	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2024	Sep 2025	6	3,549.500	Y		
DVH A1 ECP Commander's Vehicle ^(†)		2025	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2025	Oct 2026	5	3,486.000	Y		
DVH A1 ECP Medical Evacuation Vehicle		2023	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2023	Jan 2025	9	3,278.333	Y		
DVH A1 ECP Medical Evacuation Vehicle		2024	GM GDLS Defense Group L.L.C. / Shelby Township	SS / FPIF	TACOM	Mar 2024	Feb 2026	5	3,527.200	Y		

^(†) indicates the presence of a P-21

Remarks:
Based on actual execution of the program FY 2023 quantities are now 297 and will be updated prior to the FY 2026 budget submission. Details of the FY 2023 quantities totaling 297 are below:

- DVHA1 ECP Infantry Carrier Vehicle

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 0363G85200 / Stryker Upgrade	Item Number / Title [DODIC]: G85200 / Stryker Upgrade
<p>June 2023 Order: 121; June 2023 (Tranche 12) Order: 90; March 2024 Order: 14; Total: 225</p> <p>- DVHA1 ECP Anti-Tank Guided Missile Vehicle June 2023 Order: 0; June 2023 (Tranche 12) Order: 0; March 2024 Order: 0; Total: 0</p> <p>- DVHA1 ECP Mortar Carrier Vehicle June 2023 Order: 19; June 2023 (Tranche 12) Order: 0; March 2024 Order: 3; Total: 22</p> <p>- DVHA1 ECP Fire Support Vehicle June 2023 Order: 6; June 2023 (Tranche 12) Order: 0; March 2024 Order: 2; Total: 8</p> <p>- DVHA1 ECP Engineer Squad Vehicle June 2023 Order: 6; June 2023 (Tranche 12) Order: 0; March 2024 Order: 1; Total: 7</p> <p>- DVHA1 ECP Commander's Vehicle June 2023 Order: 23; June 2023 (Tranche 12) Order: 0; March 2024 Order: 3; Total: 26</p> <p>- DVHA1 ECP Medical Evacuation Vehicle June 2023 Order: 9; June 2023 (Tranche 12) Order: 0; March 2024 Order: 0; Total: 9</p> <p>- DVHA1 30mm MCWS June 2023 Order: 0; June 2023 (Tranche 12) Order: 0; March 2024 Order: 0; Total: 0</p> <p>- Total FY 2023 Quantities June 2023 Order: 184; June 2023 (Tranche 12) Order: 90; March 2024 Order: 23; Total: 297</p>		

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Exhibit P-21, Production Schedule: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 0363G85200 / Stryker Upgrade	Item Number / Title [DODIC]: G85200 / Stryker Upgrade
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Cost Elements <i>(Units in Each)</i>					Fiscal Year 2023													Fiscal Year 2024													BALANCE		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
DVH A1 ECP Infantry Carrier Vehicle																																	
Prior Years Deliveries: 521																																	
	1	2023	ARMY	121	0	121																							17	104			
	2	2024	ARMY	53	0	53																								53			
	1	2025	ARMY	28	0	28																								28			
DVH A1 ECP Mortar Carrier Vehicle																																	
Prior Years Deliveries: 119																																	
	3	2023	ARMY	19	0	19																								19			
	3	2024	ARMY	6	0	6																								6			
	3	2025	ARMY	5	0	5																								5			
DVH A1 ECP Commander's Vehicle																																	
Prior Years Deliveries: 108																																	
	4	2023	ARMY	23	0	23																								23			
	5	2024	ARMY	6	0	6																								6			
	4	2025	ARMY	5	0	5																								5			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 0363G85200 / Stryker Upgrade	Item Number / Title [DODIC]: G85200 / Stryker Upgrade
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Cost Elements <i>(Units in Each)</i>					Fiscal Year 2025													Fiscal Year 2026													BALANCE		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025													Calendar Year 2026													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
DVH A1 ECP Infantry Carrier Vehicle																																	
Prior Years Deliveries: 521																																	
	1	2023	ARMY	121	17	104	6	8	7	9	3	3	2	3	5	6	5	5	5	17	20								0				
	2	2024	ARMY	53	0	53	-	-	-	-	-	-	-	-	-	-	-	9	7	7	9	5	2	6	8				0				
	1	2025	ARMY	28	0	28							A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	15				
DVH A1 ECP Mortar Carrier Vehicle																																	
Prior Years Deliveries: 119																																	
	3	2023	ARMY	19	0	19	-	-	-	4	4	4	2	3	2														0				
	3	2024	ARMY	6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3						0				
	3	2025	ARMY	5	0	5							A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5				
DVH A1 ECP Commander's Vehicle																																	
Prior Years Deliveries: 108																																	
	4	2023	ARMY	23	0	23	-	2	2	1	1	1	3	2	-	-	2	2	5	2									0				
	5	2024	ARMY	6	0	6	-	-	-	-	-	-	-	-	-	-	-	2	2	2									0				
	4	2025	ARMY	5	0	5							A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 0363G85200 / Stryker Upgrade	Item Number / Title [DODIC]: G85200 / Stryker Upgrade
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027												Fiscal Year 2028												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027												Calendar Year 2028												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
DVH A1 ECP Infantry Carrier Vehicle																															
Prior Years Deliveries: 521																															
	1	2023	ARMY	121	121	0																							0		
	2	2024	ARMY	53	53	0																							0		
	1	2025	ARMY	28	13	15		11																					0		
DVH A1 ECP Mortar Carrier Vehicle																															
Prior Years Deliveries: 119																															
	3	2023	ARMY	19	19	0																							0		
	3	2024	ARMY	6	6	0																							0		
	3	2025	ARMY	5	0	5		-																					0		
DVH A1 ECP Commander's Vehicle																															
Prior Years Deliveries: 108																															
	4	2023	ARMY	23	23	0																							0		
	5	2024	ARMY	6	6	0																							0		
	4	2025	ARMY	5	0	5		2																					0		
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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Exhibit P-21, Production Schedule: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20		P-1 Line Item Number / Title: 0363G85200 / Stryker Upgrade
		Item Number / Title [DODIC]: G85200 / Stryker Upgrade

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	GM GDLS Defense Group L.L.C. - Shelby Township	10	29	35	12	12	11	23	6	2	11	13
2	GM GDLS Defense Group L.L.C. - Shelby Township	10	29	35	12	12	13	25	6	2	11	13
3	GM GDLS Defense Group L.L.C. - Shelby Township	10	29	35	12	12	11	23	6	2	11	13
4	GM GDLS Defense Group L.L.C. - Shelby Township	10	29	35	12	12	11	23	6	2	11	13
5	GM GDLS Defense Group L.L.C. - Shelby Township	10	29	35	12	12	13	25	6	2	11	13

Remarks:

Lead time for Stryker Double V Hull A1 variants is 11-13 months.

Lead time for FY 2023 Double V Hull A1 30mm Lethality is 20 months due to synchronization of the Double V Hull A1 platform and 30mm Mission Equipment Package integration.

Based on actual execution of the program FY 2023 quantities are now 297 and will be updated prior to the FY 2026 budget submission. Details of the FY 2023 quantities totaling 297 are below:

- DVHA1 ECP Infantry Carrier Vehicle
June 2023 Order: 121; June 2023 (Tranche 12) Order: 90; March 2024 Order: 14; Total: 225
- DVHA1 ECP Anti-Tank Guided Missile Vehicle
June 2023 Order: 0; June 2023 (Tranche 12) Order: 0; March 2024 Order: 0; Total: 0
- DVHA1 ECP Mortar Carrier Vehicle
June 2023 Order: 19; June 2023 (Tranche 12) Order: 0; March 2024 Order: 3; Total: 22
- DVHA1 ECP Fire Support Vehicle
June 2023 Order: 6; June 2023 (Tranche 12) Order: 0; March 2024 Order: 2; Total: 8
- DVHA1 ECP Engineer Squad Vehicle
June 2023 Order: 6; June 2023 (Tranche 12) Order: 0; March 2024 Order: 1; Total: 7
- DVHA1 ECP Commander's Vehicle
June 2023 Order: 23; June 2023 (Tranche 12) Order: 0; March 2024 Order: 3; Total: 26
- DVHA1 ECP Medical Evacuation Vehicle
June 2023 Order: 9; June 2023 (Tranche 12) Order: 0; March 2024 Order: 0; Total: 9
- DVHA1 30mm MCWS
June 2023 Order: 0; June 2023 (Tranche 12) Order: 0; March 2024 Order: 0; Total: 0
- Total FY 2023 Quantities
June 2023 Order: 184; June 2023 (Tranche 12) Order: 90; March 2024 Order: 23; Total: 297

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Exhibit P-21, Production Schedule: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 0363G85200 / Stryker Upgrade	Item Number / Title [DODIC]: G85200 / Stryker Upgrade

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity:
 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles

P-1 Line Item Number / Title:
 1382GZ3300 / BRADLEY FIRE SUPPORT TEAM (BFIST) VEHICLE

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	128	-	-	-	-	-	-	-	-	128
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	5.232	7.255	-	7.255	1.463	1.533	1.603	1.883	-	18.969
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	5.232	7.255	-	7.255	1.463	1.533	1.603	1.883	-	18.969
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	5.232	7.255	-	7.255	1.463	1.533	1.603	1.883	-	18.969

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	40.875	-	-	-	-	-	-	-	-	148.195

Description:

The Bradley Fire Support Team (BFIST) vehicle replaced the aging M981 Fire Support Vehicle used by the Fire Support Team (FIST) in the Armored Brigade Combat Teams (ABCT). The BFIST contributes to success on the battlefield by accurately locating and designating targets and then combining this information to develop and execute fire support plans. The BFIST allows fire support operations to be performed on the battlefield in vehicles with the same signature, survivability, and mobility as the other Bradley Fighting Vehicles (BFV) in the maneuver units it supports. There are 303 BFIST vehicles fielded with three variants: M7A4 BFIST, A3 BFIST with FS3 (Fire Support Sensor System), and M7 BFIST SA (Situation Awareness). This supports funding for the components, application, and engineering and logistics support of improvements designed to resolve problems identified in the field, engineering support related to production, improved safety, integrate new equipment, develop and integrate mod kits, address obsolescence issues, and bring the vehicle into compliance with transportability and recovery requirements.

All three variants enable company Fire Support Teams (FIST) and company fire support officers to plan, coordinate and execute timely, accurate indirect artillery and mortar fires. The FS3 on all vehicles provides automated enhanced surveillance, target acquisition, target identification, target designation, target tracking, position location, and communications functionality under armor while mounted and target acquisition and designation while dismounted. All variants are being upgraded to include Fire Observer Software (FOS) on the Mounted Family of Computer System (MFCOS), TALIN 5000 Inertial Navigation Unit (INU); and Target Accuracy upgrades to meet Category I (CAT I) Target Location Error (TLE) specifications - the highest level TLE obtainable. After upgrades are completed, all BFIST vehicles will meet the Operational Requirements Document (ORD) objective requirements.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army									
Quantity	-	74	-	-	-	-	-	-	-
Total Obligation Authority	-	3.039	7.255	-	7.255	1.463	1.533	1.603	1.883
ANG									
Quantity	-	54	-	-	-	-	-	-	-
Total Obligation Authority	-	2.193	-	-	-	-	-	-	-
Total:									
Quantity	-	128	-	-	-	-	-	-	-
Total Obligation Authority	-	5.232	7.255	-	7.255	1.463	1.533	1.603	1.883

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:** 1382GZ3300 / BRADLEY FIRE SUPPORT TEAM (BFIST) VEHICLE

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	GZ3312 / M3A3 BFIST VEHICLE WITH FS3				- / -	- / -	128 / 5.232	- / 7.255	- / -	- / 7.255
P-40	Total Gross/Weapon System Cost				- / -	- / -	128 / 5.232	- / 7.255	- / -	- / 7.255

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2025 procurement dollars in the amount of \$7.255 million support improvements to the Bradley Fire Support (BFIST) vehicle, resolves issues identified in the field through Field Problem Reports (FPR), improves safety, addresses obsolete components, develops and installs modification kits, maintains software and cyber, test calibration of the Inertial Navigation Unit (INU) above the 49th parallel and updates operator/technical manuals and quick reference guides. Current projections indicate the BFIST will remain in the Armored Brigade Combat Team (ABCT) formation until the 2050s.

The primary effort will focus on the application of field modifications to mitigate obsolescence with Fire Observer Software (FOS) on the Mounted Family of Computer System (MFOCS) and to improve Target Accuracy. The Fire Support Station and Commanders Display utilize the common Color Flat Panel Display (CFPD) which is in the process of obsolescence redesign with integration in FY 2025 and supply availability in FY 2026. Funding also supports the integration of the modernized Bradley Common Display (BCD) for all Bradley Fire Support Team (BFIST) vehicles.

In accordance with section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110 - 181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2025 Army											Date: March 2024							
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20				P-1 Line Item Number / Title: 1382GZ3300 / BRADLEY FIRE SUPPORT TEAM (BFIST) VEHICLE							Item Number / Title [DODIC]: GZ3312 / M3A3 BFIST VEHICLE WITH FS3							
ID Code (A=Service Ready, B=Not Service Ready) :											MDAP/MAIS Code:							
Resource Summary				Prior Years		FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO		FY 2025 Total	
Procurement Quantity (<i>Units in Each</i>)				-		-			128			-			-		-	
Gross/Weapon System Cost (<i>\$ in Millions</i>)				-		-			5.232			7.255			-		7.255	
Less PY Advance Procurement (<i>\$ in Millions</i>)				-		-			-			-			-		-	
Net Procurement (P-1) (<i>\$ in Millions</i>)				-		-			5.232			7.255			-		7.255	
Plus CY Advance Procurement (<i>\$ in Millions</i>)				-		-			-			-			-		-	
Total Obligation Authority (<i>\$ in Millions</i>)				-		-			5.232			7.255			-		7.255	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
Initial Spares (<i>\$ in Millions</i>)				-		-			-			-			-		-	
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)				-		-			40.875			-			-		-	
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Modification Work Order (MWO) Installation	-	-	-	-	-	-	-	-	1.200	-	-	1.165	-	-	-	-	-	1.165
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	1.200	-	-	1.165	-	-	-	-	-	1.165
Non Recurring Cost																		
Fire Support Station and Commander Display NRE	-	-	-	-	-	-	-	-	1.500	-	-	2.699	-	-	-	-	-	2.699
Obsolescence Mitigation	-	-	-	-	-	-	-	-	2.532	-	-	3.391	-	-	-	-	-	3.391
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	4.032	-	-	6.090	-	-	-	-	-	6.090
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	5.232	-	-	7.255	-	-	-	-	-	7.255
Gross/Weapon System Cost	-	-	-	-	-	-	40.875	128	5.232	-	-	7.255	-	-	-	-	-	7.255
Secondary Distribution						FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO		FY 2025 Total	
Army		Quantity				-			74			-			-		-	
		Total Obligation Authority				-			3.039			7.255			-		7.255	
ANG		Quantity				-			54			-			-		-	

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 1382GZ3300 / BRADLEY FIRE SUPPORT TEAM (BFIST) VEHICLE	Item Number / Title [DODIC]: GZ3312 / M3A3 BFIST VEHICLE WITH FS3

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
	Total Obligation Authority	-	2.193	-	-	-
Total:	Quantity	-	128	-	-	-
Secondary Distribution	Total Obligation Authority	-	5.232	7.255	-	7.255

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity:
 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:**
 1678GZ2400 / Bradley Program (MOD)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0203735A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	7,198.295	2,345.401	158.274	106.937	-	106.937	100.391	98.827	75.302	75.222	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	7,198.295	2,345.401	158.274	106.937	-	106.937	100.391	98.827	75.302	75.222	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7,198.295	2,345.401	158.274	106.937	-	106.937	100.391	98.827	75.302	75.222	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	135,816.887	86,866.704	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

The Bradley Fighting Vehicle (BFV) is a fighting vehicle platform designed to transport infantry or scouts with armor protection, while providing covering fire to suppress enemy troops and armored vehicles. The primary mission area for the Bradley Fighting Vehicle is to support the mission of the Armored Brigade Combat Team (ABCT) and the ABCT mission is to fight and win engagements and battles in support of operational and strategic national objectives. The Bradley Family of Vehicles Modification line supports 3,331 Bradley vehicles across all three variants (A4, A3, Operation Desert Storm Situational Awareness (ODS-SA)). The funding line provides for the procurement of the A4 Mobility Engineering Change Proposals (ECPs) (A4s), fleet modifications that address changes to the vehicle configurations resulting from identified safety issues, approved Engineering Change Proposals (ECPs), integration of emerging technologies, performance degradation issues, obsolescence issues, readiness, issues identified in the field and approved by the Materiel Developer and Combat Developer for fielded Bradley Family of Vehicles (FOV), and Operational Need Statements (ONS). Additionally, this line supports the personnel, engineering, design, testing, hardware procurement, fielding, and installation in support of the aforementioned items.

The Bradley Program (MOD) funding line procures upgrades to the Bradley Fighting Vehicle and procures Army Acquisition Executive (AAE) approved Engineering Change Proposals (ECPs). There are currently two Engineering Change Proposals (ECPs) in this program, Track and Suspension and the A4 Mobility. The Track and Suspension ECP improves the vehicle fleet's suspension increasing underbelly clearance and provides extended life track. The Bradley A4 Mobility ECP addresses space, weight, power, and cooling issues with an improved powertrain and electrical system enabling the Bradley to host inbound technologies from other Army Programs of Record, such as, but not limited to the Integrated Tactical Network (ITN).

Additionally, the Bradley Program (MOD) procures training systems, and other upgrades, including but not limited to high priority improvements, survivability enhancements, increased cyber requirements and required modifications to achieve A4 Full Materiel Release, and obsolescence mitigation such as the Improved Bradley Acquisition Subsystem (IBAS 2.8), Bradley Processing unit, and common displays.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2,345.401	158.274	106.937	-	106.937	100.391	98.827	75.302	75.222
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2,345.401	158.274	106.937	-	106.937	100.391	98.827	75.302	75.222

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:** 1678GZ2400 / Bradley Program (MOD)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0203735A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	GZ2400 / Bradley Program (MOD) (Increase Performance)		A		- / 7,198.295	- / 2,345.401	- / 158.274	- / 106.937	- / -	- / 106.937
P-40	Total Gross/Weapon System Cost				- / 7,198.295	- / 2,345.401	- / 158.274	- / 106.937	- / -	- / 106.937

Exhibits Schedule					FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	GZ2400 / Bradley Program (MOD) (Increase Performance)		A		- / 100.391	- / 98.827	- / 75.302	- / 75.222	Continuing	Continuing
P-40	Total Gross/Weapon System Cost				- / 100.391	- / 98.827	- / 75.302	- / 75.222	Continuing	Continuing

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2025 Base procurement dollars in the amount of \$106.937 million supports procurement of multiple modifications to the Bradley Family of Vehicles to include upgrades to the Bradley Fire Support Team vehicle, procurement of training devices, and procurement of safety and critical obsolescence upgrades as well as obsolescence management to identify diminishing manufacturing and material sources. Current projections indicate the Bradley Fighting Vehicle and the Bradley Fire Support Vehicle will remain in the Armored Brigade Combat Team (ABCT) formation until the 2050s.

The primary effort will focus around Mod 2 (BFVS High Priority Improvements) Improved Bradley Acquisition Subsystem (IBAS) 2.8 technology refresh hardware and spares procurement with system integration activities for the Bradley Processing Unit and Common Display.

Mod 2 (BFVS High Priority Improvements) maintains and provides improvements to the Bradley Family of Vehicles (FoV) to resolve problems identified in the field, improves safety, addresses obsolete components, develop and integrate modification kits, full material release efforts, and provides funding to maintain A3 and A4 facility vehicles, vehicle software and operators/technical manuals.

Mod 3 (Training Equipment Devices) funding supports for training device management for the Conduct of Fire Trainers (COFT), Hands on Turret Trainers (HOTT), Part Task Trainers (PTT) and Diagnostic Troubleshooting Trainers (DTT). These training devices are critical to developing and maintaining gunnery proficiency to keep the Bradley operational readiness rates high.

Mod 5 (Program/Engineering Support) Program/Engineering Support includes both government & contractor program management support to oversee program planning & procurement of Engineering Change Proposals (ECPs), conversion of Bradley configurations and industrial base mitigation.

Mod 7 (BFVS Mobility Modification) funding supports continuation of Bradley A4 fielding and production testing.

The FY 2023 actuals for base include \$2,078.030 million emergency supplemental funding to support the procurement of replacement vehicles transferred to Ukraine in support of the international effort to counter Russian aggression.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-3a, Individual Modification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)	Modification Number / Title: GZ2400 / Bradley Program (MOD)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	7,198.295	2,345.401	158.274	106.937	-	106.937	100.391	98.827	75.302	75.222	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	7,198.295	2,345.401	158.274	106.937	-	106.937	100.391	98.827	75.302	75.222	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	7,198.295	2,345.401	158.274	106.937	-	106.937	100.391	98.827	75.302	75.222	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	135,816.887	86,866.704	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

MOD 2 (BFVS High Priority Improvements) - Provides funding for the components, application, and engineering support of improvements designed to resolve problems identified in the field, engineering support related to production, improve safety, integrate new equipment, develop and integrate mod kits, address obsolescence issues, and bring the vehicles into compliance with transportability and recovery requirements. Provides cyclical updates to vehicle software to incorporate obsolescence redesign, maintain software versions, meet DoD cyber requirements and update integrated logistics products.

MOD 3 (Training Equipment Devices) - Provides funding to support procurement and fielding of Bradley Fighting Vehicle Training Aids, Devices, Simulators and Simulations (TADSS). The Bradley training base requires a technical refresh of the following systems to address obsolescence issues: M2A3/M7A3 Part Task Trainers (PTT), Crew Module Unit Recorder (CMUR) and the Bradley Common Software Library (BCSL). Production funding will also provide new A4 Turret Hands on Trainers and A3/A4 Parts Task Trainers required by the US Army Training and Doctrine Command (TRADOC) System Training Plan.

MOD 5 (Program/Engineering Support) - Program/Engineering Support includes both government & contractor program management support to oversee program planning & procurement of Engineering Change Proposals (ECPs), conversion of Bradley configurations and industrial base mitigation.

MOD 6 (BFVS Track and Suspension Modification) - Provides funding to support procurement and fielding of the Track and Suspension Engineering Change Proposals (ECP) to the Bradley Vehicle fleet. The Track and Suspension field modifications include track and suspension system upgrades that help to alleviate mobility, force protection, and system survivability deficiencies. Costs associated with kit installations are included in the funding for the prime hardware contracts.

MOD 7 (BFVS Mobility Modifications) - Provides funding to support procurement and fielding of Bradley A4 variant vehicles. In addition to vehicles, funding supports the procurement of government furnished material and fielding. The M2A4/M7A4 Bradley regain lost capability due to added weight by upgrading the power pack and drivetrain systems. The A4 improves the electrical system to enable hosting of inbound technologies from other Army Programs of Record. Costs associated with kit installations are included in the funding for the prime hardware contracts. The Army Procurement Object (APO) is 1,329 A4s for nine Armor Brigade Combat Teams, TRADOC, and repair cycle float vehicles. A4 Vehicle manufacturing line is expected to produce vehicles through FY2026.

MOD 10 (Survivability Enhancements) - Provides funding to support procurement and fielding of Survivability Enhancements including, but not limited to, the Underbelly Interim Solution (UBIS). UBIS increases the system survivability of the Bradley Fighting Vehicle against various threats. It also provides funding to support the Bradley Active Protecting System (APS) to protect the Bradley against Rocket-Propelled Grenades (RPGs), Antitank Guided Munitions (ATGMs), Recoilless Rifles and Unmanned Aerial Vehicles (UAVs).

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)	Modification Number / Title: GZ2400 / Bradley Program (MOD)
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

	Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
	Total Obligation Authority	2,345.401	158.274	106.937	-	106.937	100.391	98.827	75.302	75.222
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	2,345.401	158.274	106.937	-	106.937	100.391	98.827	75.302	75.222

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army										Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20					P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)					Modification Number / Title: GZ2400 / Bradley Program (MOD)			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: M2 & M3 Bradley Vehicle Variants				Modification Type: Increase Performance				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 10: Bradley Reactive Armor													
A Kits													
Recurring													
Kit Quantity	2,676 / 765.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,676 / 765.100	
Subtotal: Recurring	2,676 / 765.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,676 / 765.100	
Subtotal: Bradley Reactive Armor	2,676 / 765.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,676 / 765.100	
Modification Item 2 of 10: BFVS High Priority Improvements													
A Kits													
Recurring													
CMED Driver Vision Upgrade	617 / 85.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	617 / 85.500	
Reset Mods	756 / 10.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	756 / 10.500	
INU/Talon	271 / 5.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	271 / 5.000	
Heat Abatement/Cargo Hatch	2,764 / 2.870	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,764 / 2.870	
High Priority Mods	- / 313.903	- / 63.451	- / 39.100	- / 37.376	- / -	- / 37.376	- / 32.757	- / 31.542	- / 6.811	- / 8.782	Continuing	Continuing	
Urban Survivability Mods	5,276 / 2,098.985	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5,276 / 2,098.985	
IBAS 2.8	143 / 35.612	- / 10.269	179 / 41.109	150 / 43.002	- / -	150 / 43.002	150 / 43.864	150 / 48.116	150 / 48.138	168 / 50.156	Continuing	Continuing	
Subtotal: Recurring	9,827 / 2,552.370	- / 73.720	179 / 80.209	150 / 80.378	- / -	150 / 80.378	150 / 76.621	150 / 79.658	150 / 54.949	168 / 58.938	Continuing	Continuing	
Subtotal: BFVS High Priority Improvements	9,827 / 2,552.370	- / 73.720	179 / 80.209	150 / 80.378	- / -	150 / 80.378	150 / 76.621	150 / 79.658	150 / 54.949	168 / 58.938	Continuing	Continuing	
Modification Item 3 of 10: Training Equipment Devices													
A Kits													
Recurring													
Training Equipment	- / 178.883	- / 18.229	- / 2.450	- / -	- / -	- / -	- / -	- / 2.100	- / -	- / -	- / -	- / 101.662	
Subtotal: Recurring	- / 178.883	- / 18.229	- / 2.450	- / -	- / -	- / -	- / -	- / 2.100	- / -	- / -	- / -	- / 101.662	
Non-Recurring													
Hardware - Parts Task Trainer	- / 88.634	- / -	8 / 24.308	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 112.942	
Subtotal: Non-Recurring	- / 88.634	- / -	8 / 24.308	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 112.942	
Subtotal: Training Equipment Devices	- / 167.517	- / 18.229	8 / 26.758	- / -	- / -	- / -	- / -	- / 2.100	- / -	- / -	- / -	8 / 214.604	

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Exhibit P-3a, Individual Modification: PB 2025 Army										Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20					P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)					Modification Number / Title: GZ2400 / Bradley Program (MOD)				
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:							
Models of Systems Affected: M2 & M3 Bradley Vehicle Variants				Modification Type: Increase Performance				Related RDT&E PEs:						
Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total		
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		
Modification Item 4 of 10: ODS Situational Awareness														
A Kits														
Recurring														
ODS Situational Awareness	770 / 1,199.553	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	770 / 1,199.553		
IBAS Refresh	- / 8.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.850		
ODS-SA VEHICLE VERSION IDENTIFICATION	- / 12.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.500		
Subtotal: Recurring	770 / 1,220.903	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	770 / 1,220.903		
Subtotal: ODS Situational Awareness	770 / 1,220.903	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	770 / 1,220.903		
Modification Item 5 of 10: Program/Engineering Support														
A Kits														
Recurring														
Government PM support	- / 244.829	- / 19.481	- / 11.653	- / 10.099	- / -	- / 10.099	- / 10.302	- / 10.507	- / 10.718	- / 10.999	Continuing	Continuing		
Contractor PM Support	- / 136.139	- / 3.054	- / 3.481	- / 3.017	- / -	- / 3.017	- / 3.077	- / 3.139	- / 3.201	- / 3.285	Continuing	Continuing		
Subtotal: Recurring	- / 380.968	- / 22.535	- / 15.134	- / 13.116	- / -	- / 13.116	- / 13.379	- / 13.646	- / 13.919	- / 14.284	Continuing	Continuing		
Subtotal: Program/Engineering Support	- / 380.968	- / 22.535	- / 15.134	- / 13.116	- / -	- / 13.116	- / 13.379	- / 13.646	- / 13.919	- / 14.284	Continuing	Continuing		
Modification Item 6 of 10: BFVS Track and Suspension Upgrade														
A Kits														
Recurring														
BFVS ECP 1 Modification	3,344 / 608.117	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3,344 / 608.117		
Subtotal: Recurring	3,344 / 608.117	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3,344 / 608.117		
Subtotal: BFVS Track and Suspension Upgrade	3,344 / 608.117	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3,344 / 608.117		
Modification Item 7 of 10: BFVS Mobility Modification														
A Kits														
Recurring														
BFVS A4 Modification	338 / 1,245.146	240 / 2,187.878	- / 27.188	- / 13.443	- / -	- / 13.443	- / 10.391	- / 3.423	- / 6.434	- / 2.000	- / -	578 / 3,495.903		
Subtotal: Recurring	338 / 1,245.146	240 / 2,187.878	- / 27.188	- / 13.443	- / -	- / 13.443	- / 10.391	- / 3.423	- / 6.434	- / 2.000	- / -	578 / 3,495.903		
Subtotal: BFVS Mobility Modification	338 / 1,245.146	240 / 2,187.878	- / 27.188	- / 13.443	- / -	- / 13.443	- / 10.391	- / 3.423	- / 6.434	- / 2.000	- / -	578 / 3,495.903		
Modification Item 8 of 10: Conversion to M2														
A Kits														

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army										Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20				P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)						Modification Number / Title: GZ2400 / Bradley Program (MOD)			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: M2 & M3 Bradley Vehicle Variants			Modification Type: Increase Performance					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Recurring													
Conversion M3-M2	195 / 132.245	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	195 / 132.245	
Fielding	- / 15.942	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.942	
Subtotal: Recurring	195 / 138.187	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	195 / 138.187	
Subtotal: Conversion to M2	195 / 138.187	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	195 / 138.187	
Modification Item 9 of 10: Braking Safety/ Transmission Industrial Base													
A Kits													
Recurring													
Transmission	266 / 87.834	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	266 / 87.834	
Subtotal: Recurring	266 / 87.834	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	266 / 87.834	
Subtotal: Braking Safety/Transmission Industrial Base	266 / 87.834	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	266 / 87.834	
Modification Item 10 of 10: Survivability Enhancements													
B Kits													
Recurring													
Underbelly Interium Solution (UBIS)	600 / 17.371	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	600 / 17.371	
Subtotal: Recurring	600 / 17.371	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	600 / 17.371	
Subtotal: Survivability Enhancements	600 / 17.371	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	600 / 17.371	
Subtotal: Procurement, All Modification Items	18,016 / 7,183.513	240 / 2,302.362	187 / 149.289	150 / 106.937	- / -	150 / 106.937	150 / 100.391	150 / 98.827	150 / 75.302	168 / 75.222	Continuing	Continuing	
Installation													
Modification Item 2 of 10: BFVS High Priority Improvements	9,827 / 0.954	- / -	179 / 1.052	150 / -	- / -	150 / -	150 / -	150 / -	150 / -	168 / -	- / -	10,774 / 2.006	
Modification Item 3 of 10: Training Equipment Devices	- / -	- / -	8 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / -	
Modification Item 6 of 10: BFVS Track and Suspension Upgrade	2,930 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,930 / -	
Modification Item 7 of 10: BFVS Mobility Modification	240 / 13.828	240 / 43.039	- / 17.933	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	480 / 64.800	
Modification Item 8 of 10: Conversion to M2	195 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	195 / -	
Modification Item 10 of 10: Survivability Enhancements	- / -	352 / -	160 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	512 / -	
Subtotal: Installation	13,192 / 14.782	592 / 43.039	347 / 8.985	150 / -	- / -	150 / -	150 / -	150 / -	150 / -	168 / -	- / -	14,899 / 66.806	
Total													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)	Modification Number / Title: GZ2400 / Bradley Program (MOD)
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Models of Systems Affected: M2 & M3 Bradley Vehicle Variants	Modification Type: Increase Performance	Related RDT&E PEs:
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Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Total Cost (Procurement + Support + Installation)	7,198.295	2,345.401	158.274	106.937	-	106.937	100.391	98.827	75.302	75.222	Continuing	Continuing

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army					Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20			P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)			Modification Number / Title: GZ2400 / Bradley Program (MOD)	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 1 of 10: Bradley Reactive Armor							
Manufacturer Information							
Manufacturer Name: General Dynamics Armament & Technical Products (GDATP)					Manufacturer Location: Burlington, VT		
Administrative Leadtime (in Months):					Production Leadtime (in Months):		
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Contractor					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20		P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)
		Modification Number / Title: GZ2400 / Bradley Program (MOD)
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Modification Item 2 of 10: BFVS High Priority Improvements

Manufacturer Information

Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 5				Production Leadtime (in Months): 12			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates	Mar 2023	Mar 2024	Mar 2025				
Delivery Dates	Mar 2024	Mar 2025	Mar 2026				

Installation Information

Method of Implementation: Contractor

Installation Cost	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	9,827 / 0.954	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9,827 / 0.954
FY 2023	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	179 / 1.052	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	179 / 1.052
FY 2025	- / -	- / -	- / -	150 / 0.000	- / -	150 / 0.000	- / -	- / -	- / -	- / -	- / -	150 / 0.000
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	150 / 0.000	- / -	- / -	- / -	- / -	150 / 0.000
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 0.000	- / -	- / -	- / -	150 / 0.000
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 0.000	- / -	- / -	150 / 0.000
FY 2029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	168 / 0.000	- / -	168 / 0.000
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	9,827 / 0.954	- / -	179 / 1.052	150 / 0.000	- / -	150 / 0.000	150 / 0.000	150 / 0.000	150 / 0.000	168 / 0.000	- / -	10,774 / 2.006

Installation Schedule

	PYS	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	9,684	143	-	-	-	179	-	-	-	150	-	-	-	150	-	-	-	150	-	-	-	150	-	-	-	168	-	-	-	-	-	-	-	-	10,774
Out	9,684	-	-	-	-	36	36	36	35	45	45	45	45	45	45	45	45	35	35	35	35	35	35	35	35	45	45	45	44	128	10,774				

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)	Modification Number / Title: GZ2400 / Bradley Program (MOD)
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Modification Item 3 of 10: Training Equipment Devices

Manufacturer Information

Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 9				Production Leadtime (in Months): 12			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates	Apr 2023						
Delivery Dates	Apr 2024						

Installation Information

Method of Implementation: Contractor

Installation Cost	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	8 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.000
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	8 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.000

Installation Schedule

	PYS	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army					Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20			P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)			Modification Number / Title: GZ2400 / Bradley Program (MOD)	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 4 of 10: ODS Situational Awareness							
Manufacturer Information							
Manufacturer Name: BAE				Manufacturer Location: YORK, PA			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Contractor					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army					Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20			P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)			Modification Number / Title: GZ2400 / Bradley Program (MOD)	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 5 of 10: Program/Engineering Support							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: WARREN, MI			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 1			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates	Dec 2022	Dec 2023	Dec 2024				
Delivery Dates	Jan 2023	Jan 2024	Jan 2025				
Installation Information							
Method of Implementation (Organic): x					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)	Modification Number / Title: GZ2400 / Bradley Program (MOD)
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Modification Item 6 of 10: BFVS Track and Suspension Upgrade

Manufacturer Information

Manufacturer Name: Loc Performance Products Inc./Other Manufacturer Location: Various

Administrative Leadtime (in Months): Production Leadtime (in Months): 13

Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contractor

Installation Cost	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	2,115 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,115 / 0.000
FY 2023	414 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	414 / 0.000
FY 2024	401 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	401 / 0.000
FY 2025	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2,930 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,930 / 0.000

Installation Schedule

	PYS	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	3,344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,344
Out	2,633	104	103	103	100	100	100	101	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,344

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)	Modification Number / Title: GZ2400 / Bradley Program (MOD)
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ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Modification Item 7 of 10: BFVS Mobility Modification

Manufacturer Information

Manufacturer Name: BAE	Manufacturer Location: York, PA
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 12

Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates	May 2023						
Delivery Dates	Nov 2024						

Installation Information

Method of Implementation: Contractor

Installation Cost	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	187 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	187 / 0.000
FY 2023	53 / 13.828	240 / 43.039	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	293 / 56.867
FY 2024	- / -	- / -	0 / 7.933	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 7.933
FY 2025	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	240 / 13.828	240 / 43.039	0 / 7.933	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	480 / 64.800

Installation Schedule

	PYS	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	278	7	6	15	21	21	14	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	180	19	46	27	6	7	6	15	21	21	14	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)	Modification Number / Title: GZ2400 / Bradley Program (MOD)
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Modification Item 8 of 10: Conversion to M2

Manufacturer Information

Manufacturer Name: BAE	Manufacturer Location: YORK, PA
Administrative Leadtime (in Months):	Production Leadtime (in Months):

Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contractor

Installation Cost	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	195 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	195 / 0.000
FY 2023	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	195 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	195 / 0.000

Installation Schedule

PYS	FY 2023	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	195
Out	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	195

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20			P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)			Modification Number / Title: GZ2400 / Bradley Program (MOD)	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 9 of 10: Braking Safety/Transmission Industrial Base							
Manufacturer Information							
Manufacturer Name: L3COM				Manufacturer Location: MUSKEGON, MI			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Contractor					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 1678GZ2400 / Bradley Program (MOD)	Modification Number / Title: GZ2400 / Bradley Program (MOD)
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Modification Item 10 of 10: Survivability Enhancements

Manufacturer Information

Manufacturer Name: TBD Manufacturer Location: TBD

Administrative Leadtime (in Months): 10 Production Leadtime (in Months): 6

Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Unit (Unit incurs installation cost)

Installation Cost	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	352 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	352 / 0.000
FY 2024	- / -	- / -	160 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	160 / 0.000
FY 2025	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	352 / 0.000	160 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	512 / 0.000

Installation Schedule

	PYS	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	88	88	88	88	88	88	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:** 2072GA0400 / M109 FOV Modifications

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0604854A **Other Related Program Elements:** 0604854A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,198.571	3.028	90.986	42.574	-	42.574	46.453	-	-	-	-	2,381.612
Less PY Advance Procurement (<i>\$ in Millions</i>)	16.321	-	-	-	-	-	-	-	-	-	-	16.321
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,182.250	3.028	90.986	42.574	-	42.574	46.453	-	-	-	-	2,365.291
Plus CY Advance Procurement (<i>\$ in Millions</i>)	16.321	-	-	-	-	-	-	-	-	-	-	16.321
Total Obligation Authority (<i>\$ in Millions</i>)	2,198.571	3.028	90.986	42.574	-	42.574	46.453	-	-	-	-	2,381.612

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This funding line is a key enabler of the Army Modernization Priorities in support of the Long-Range Precision Fires.

The M109 Family of Vehicles (FOV) Modifications line consists of the M109A6 Self-Propelled Howitzer (SPH) and the M992A2 Field Artillery Ammunition Supply Vehicle (FAASV), the M109A7 Self-Propelled Howitzer (SPH) and M992A3 Carrier, Ammunition, Tracked (CAT). The funding profile provides for the engineering design, testing, hardware procurement, and application in support of improvements to resolve problems identified in the field and approved by the Materiel Developer and Combat Developer for fielded M109 Family of Vehicles (FOV). These improvements address maintaining operational readiness rates, improving vehicle safety and operation, and integrating new equipment. Funding also supports aspects of program management necessary to support the fielded fleet of M109 Family of Vehicles (FOV) in 16 Active Duty Army and National Guard Battalions organic to Armored Brigade Combat Teams (ABCT); 10 Battalions organic to Army Fires Brigades; 3 Rotational unit sets; 4 Army Prepositioned Stock sets; 2 Institutional Training Sites, 2 Combat Training Centers, and other facility vehicles for System Technical Support (STS) work for development and qualification of proposed engineering changes and technical improvements. Engineering Change Proposals (ECPs) will be applied through a modification work order and procured for the M109 Family of Vehicles.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.028	90.986	42.574	-	42.574	46.453	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.028	90.986	42.574	-	42.574	46.453	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:** 2072GA0400 / M109 FOV Modifications

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0604854A **Other Related Program Elements:** 0604854A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	GA0400 / M109 FOV Modifications (Increase Performance)		B		- / 2,198.571	- / 3.028	- / 90.986	- / 42.574	- / -	- / 42.574
P-40	Total Gross/Weapon System Cost				- / 2,198.571	- / 3.028	- / 90.986	- / 42.574	- / -	- / 42.574

Exhibits Schedule					FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	GA0400 / M109 FOV Modifications (Increase Performance)		B		- / 46.453	- / -	- / -	- / -	- / -	- / 2,381.612
P-40	Total Gross/Weapon System Cost				- / 46.453	- / -	- / -	- / -	- / -	- / 2,381.612

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2025 base procurement funding in the amount of \$42.574 million supports M109 Family of Vehicles (FOV) modifications, program office requirements and Systems Technical Support (STS) contractor support for M109 Family of Vehicles (FOV). Program management is for the oversight of Other Governmental Agencies (OGAs) that provides material support to the system and the fielded units to ensure configuration management; provides the analysis and root cause of safety and non-safety related field failures; provides M109 FOV Depot Overhaul support as needed; provides planning and execution for obsolescence of parts, sub-systems and systems; develops and coordinates shrinking supply base mitigation strategies with item managers. The program office works to lower operation and sustainment costs and improve unit readiness by analyzing data and determining solutions to solve the field's problem sets. The program office manages the Systems Technical Support/Sustainment Systems Technical Support (STS/SSTS) contract that provides direct support to the program and the field. Contractor provides the direct engineering support required to integrate modification kits; provides the logistical support to provision, source, and supports the field with material solutions/changes. Contractor also updates/corrects all system technical data, provisioning data, technical manuals, and Interactive-Electronic Technical Manuals (IETMs). Contractor provides emergency field support to the Government as required for essential mission accomplishment.

A portion of this funding line is a key enabler of the Army Modernization Priorities in support of the Long-Range Precision Fires.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-3a, Individual Modification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications	Modification Number / Title: GA0400 / M109 FOV Modifications

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,198.571	3.028	90.986	42.574	-	42.574	46.453	-	-	-	-	2,381.612
Less PY Advance Procurement (\$ in Millions)	16.321	-	-	-	-	-	-	-	-	-	-	16.321
Net Procurement (P-1) (\$ in Millions)	2,182.250	3.028	90.986	42.574	-	42.574	46.453	-	-	-	-	2,365.291
Plus CY Advance Procurement (\$ in Millions)	16.321	-	-	-	-	-	-	-	-	-	-	16.321
Total Obligation Authority (\$ in Millions)	2,198.571	3.028	90.986	42.574	-	42.574	46.453	-	-	-	-	2,381.612

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

M109 Family of Vehicles (FOV) Program Office [MOD 1]: Government System Engineering and Program Management support for the M109 Family of Vehicles (FOV) program.

Interior Blast Mitigation Retrofit Hardware/Fielding (M109A7) [MOD 3]: Procures and installs improved floor mat and ammo restraints to prevent those objects from becoming secondary projectiles in an underbody blast event.

Chief of Section protection (Increment I) Hardware and Fielding [MOD 4]: Ballistic riser with transparent armor, is intended to improve the situational awareness and personnel survivability when firing the crew-served weapon of the current systems in fielded Fires Battalions. These fixes also address shortcomings in training identified in Initial Operational Testing related to "combat only" configurations.

Ventilation System Dust Cover [MOD 5]: Procure/retrofit hardware to integrate pre-filtration design that reduces frequency of ventilation system clogging.

Self-Propelled Howitzer (SPH) Crew Compartment Automated Fire Extinguishing System (AFES) Retrofit Hardware & Fielding [MOD 6]: Procure/retrofit hardware to expand to full crew compartment coverage from personnel heater coverage.

Fielding Hardware [MOD 7]: United States Government (USG) Program Management (PM) and fielding support funding is required in order to execute Modification Work Orders (MWOs) as part of the Life Cycle Management of the M109 Family of Vehicles (FOV) fleet; ensure the fleet is supported - equipment readiness.

Universal Mounting Bracket Hardware [MOD 8]: Procure/retrofit hardware to support current and future inertial navigation unit.

Automated Fire Extinguishing System (AFES) Control Electronics Panel (CEP) Hardware [MOD 9]: Procure/retrofit hardware of the Control Electronics Panel (CEP), a component within the Automatic Fire Extinguishing System (AFES) with upgraded software and firmware to allow for compatibility with the upgraded AFES capability.

Driver's Seatbelt Redesign Hardware [MOD 10]: Procure to correct issues associated with the Driver's Seatbelt and related components that comprise the seatbelt restraint system.

Driver's Hatch Redesign Hardware [MOD 11]: Procure hardware that will address M109A7/M992A3 driver's hatch improvements to eradicate hatch leak issues. This will simplify the design configuration to reduce the number of potential leak paths, address installation issues at the production facility and improve in-field installation.

Carrier Ammunition Tracked (CAT) Tanker Bar/Crowbar Stowage Hardware [MOD 12]: Procure hardware to improve the CAT tanker/crowbar stowage retention.

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Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications	Modification Number / Title: GA0400 / M109 FOV Modifications
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ID Code (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.028	90.986	42.574	-	42.574	46.453	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.028	90.986	42.574	-	42.574	46.453	-	-	-

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Exhibit P-3a, Individual Modification: PB 2025 Army										Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20				P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications						Modification Number / Title: GA0400 / M109 FOV Modifications			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: M109 Howitzer and M992 FAASV/CAT Vehicles				Modification Type: Increase Performance				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 12: M109 Family of Vehicles Program Office													
A Kits													
Recurring													
Program Management (PM) Support	- / 18.525	- / 0.368	- / 1.052	- / 1.114	- / -	- / 1.114	- / 1.118	- / -	- / -	- / -	- / -	- / 22.177	
Subtotal: Recurring	- / 18.525	- / 0.368	- / 1.052	- / 1.114	- / -	- / 1.114	- / 1.118	- / -	- / -	- / -	- / -	- / 22.177	
Subtotal: M109 Family of Vehicles Program Office	- / 18.525	- / 0.368	- / 1.052	- / 1.114	- / -	- / 1.114	- / 1.118	- / -	- / -	- / -	- / -	- / 22.177	
Modification Item 2 of 12: Prior Years Closed Modifications													
A Kits													
Recurring													
Prior Closed Modifications	- / 2,174.482	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2,174.482	
Subtotal: Recurring	- / 2,174.482	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2,174.482	
Subtotal: Prior Years Closed Modifications	- / 2,174.482	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2,174.482	
Modification Item 3 of 12: Interior Blast Mitigation Retrofit Hardware/Fielding (M109A7)													
A Kits													
Recurring													
Hardware	- / -	347 / 1.860	800 / 4.535	466 / 3.281	- / -	466 / 3.281	800 / 3.351	- / -	- / -	- / -	- / -	2,413 / 13.027	
Subtotal: Recurring	- / -	347 / 1.860	800 / 4.535	466 / 3.281	- / -	466 / 3.281	800 / 3.351	- / -	- / -	- / -	- / -	2,413 / 13.027	
Non-Recurring													
Hardware	- / 5.564	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.564	
Subtotal: Non-Recurring	- / 5.564	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.564	
Subtotal: Interior Blast Mitigation Retrofit Hardware/Fielding (M109A7)	- / 5.564	347 / 1.860	800 / 4.535	466 / 3.281	- / -	466 / 3.281	800 / 3.351	- / -	- / -	- / -	- / -	2,413 / 18.591	
Modification Item 4 of 12: Chief of Section Protection (Inc. I) Hardware Fielding													
A Kits													
Non-Recurring													
Hardware	- / -	- / -	296 / 72.484	124 / 31.155	- / -	124 / 31.155	102 / 26.166	- / -	- / -	- / -	- / -	522 / 129.805	
Subtotal: Non-Recurring	- / -	- / -	296 / 72.484	124 / 31.155	- / -	124 / 31.155	102 / 26.166	- / -	- / -	- / -	- / -	522 / 129.805	

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Exhibit P-3a, Individual Modification: PB 2025 Army										Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20				P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications						Modification Number / Title: GA0400 / M109 FOV Modifications			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: M109 Howitzer and M992 FAASV/CAT Vehicles				Modification Type: Increase Performance				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
<i>Subtotal: Chief of Section Protection (Inc. I) Hardware Fielding</i>													
<i>- / - - / - 296 / 72.484 124 / 31.155 - / - 124 / 31.155 102 / 26.166 - / - - / - - / - - / - - / - 522 / 129.805</i>													
Modification Item 5 of 12: Ventilation System Dust Cover													
B Kits													
Recurring													
Hardware													
<i>- / - - / - 200 / 2.748 169 / 2.476 - / - 169 / 2.476 - / - - / - - / - - / - - / - - / - 369 / 5.224</i>													
<i>Subtotal: Recurring</i>													
<i>- / - - / - 200 / 2.748 169 / 2.476 - / - 169 / 2.476 - / - - / - - / - - / - - / - - / - 369 / 5.224</i>													
<i>Subtotal: Ventilation System Dust Cover</i>													
<i>- / - - / - 200 / 2.748 169 / 2.476 - / - 169 / 2.476 - / - - / - - / - - / - - / - - / - 369 / 5.224</i>													
Modification Item 6 of 12: Self-Propelled Howitzer Crew Compartment Automated Fire Extinguishing System Hardware and Fielding													
A Kits													
Non-Recurring													
SPH Crew Compartment AFES Retrofit HW													
<i>- / - 20 / 0.800 200 / 8.254 - / - - / - - / - 226 / 10.069 - / - - / - - / - - / - - / - 446 / 19.123</i>													
<i>Subtotal: Non-Recurring</i>													
<i>- / - 20 / 0.800 200 / 8.254 - / - - / - - / - 226 / 10.069 - / - - / - - / - - / - - / - 446 / 19.123</i>													
<i>Subtotal: Self-Propelled Howitzer Crew Compartment Automated Fire Extinguishing System Hardware and Fielding</i>													
<i>- / - 20 / 0.800 200 / 8.254 - / - - / - - / - 226 / 10.069 - / - - / - - / - - / - - / - 446 / 19.123</i>													
Modification Item 7 of 12: Fielding Hardware													
A Kits													
Recurring													
Fielding HW													
<i>- / - - / - - / 1.913 - / 2.022 - / - - / 2.022 - / 2.064 - / - - / - - / - - / - - / - - / 5.999</i>													
<i>Subtotal: Recurring</i>													
<i>- / - - / - - / 1.913 - / 2.022 - / - - / 2.022 - / 2.064 - / - - / - - / - - / - - / - - / 5.999</i>													
<i>Subtotal: Fielding Hardware</i>													
<i>- / - - / - - / 1.913 - / 2.022 - / - - / 2.022 - / 2.064 - / - - / - - / - - / - - / - - / 5.999</i>													
Modification Item 8 of 12: Universal Mounting Bracket HW													
A Kits													
Non-Recurring													
Universal Mounting Bracket HW													
<i>- / - - / - - / - 184 / 0.085 - / - 184 / 0.085 - / - - / - - / - - / - - / - - / - 184 / 0.085</i>													
<i>Subtotal: Non-Recurring</i>													
<i>- / - - / - - / - 184 / 0.085 - / - 184 / 0.085 - / - - / - - / - - / - - / - - / - 184 / 0.085</i>													
<i>Subtotal: Universal Mounting Bracket HW</i>													
<i>- / - - / - - / - 184 / 0.085 - / - 184 / 0.085 - / - - / - - / - - / - - / - - / - 184 / 0.085</i>													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army										Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20				P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications						Modification Number / Title: GA0400 / M109 FOV Modifications		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: M109 Howitzer and M992 FAASV/CAT Vehicles				Modification Type: Increase Performance				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Modification Item 9 of 12: AFES Control Electronics Panel (CEP) HW												
A Kits												
Non-Recurring												
AFES CEP HW												
	- / -	- / -	- / -	363 / 2.441	- / -	363 / 2.441	- / -	- / -	- / -	- / -	- / -	363 / 2.441
<i>Subtotal: Non-Recurring</i>												
	- / -	- / -	- / -	363 / 2.441	- / -	363 / 2.441	- / -	- / -	- / -	- / -	- / -	363 / 2.441
<i>Subtotal: AFES Control Electronics Panel (CEP) HW</i>												
	- / -	- / -	- / -	363 / 2.441	- / -	363 / 2.441	- / -	- / -	- / -	- / -	- / -	363 / 2.441
Modification Item 10 of 12: Driver's Seatbelt Redesign Hardware												
A Kits												
Non-Recurring												
Hardware												
	- / -	- / -	- / -	- / -	- / -	- / -	162 / 0.753	- / -	- / -	- / -	- / -	162 / 0.753
<i>Subtotal: Non-Recurring</i>												
	- / -	- / -	- / -	- / -	- / -	- / -	162 / 0.753	- / -	- / -	- / -	- / -	162 / 0.753
<i>Subtotal: Driver's Seatbelt Redesign Hardware</i>												
	- / -	- / -	- / -	- / -	- / -	- / -	162 / 0.753	- / -	- / -	- / -	- / -	162 / 0.753
Modification Item 11 of 12: Driver's Hatch Redesign Hardware												
A Kits												
Non-Recurring												
Hardware												
	- / -	- / -	- / -	- / -	- / -	- / -	162 / 2.070	- / -	- / -	- / -	- / -	162 / 2.070
<i>Subtotal: Non-Recurring</i>												
	- / -	- / -	- / -	- / -	- / -	- / -	162 / 2.070	- / -	- / -	- / -	- / -	162 / 2.070
<i>Subtotal: Driver's Hatch Redesign Hardware</i>												
	- / -	- / -	- / -	- / -	- / -	- / -	162 / 2.070	- / -	- / -	- / -	- / -	162 / 2.070
Modification Item 12 of 12: CAT Tanker Bar/Crowbar Stowage Hardware												
A Kits												
Non-Recurring												
Hardware												
	- / -	- / -	- / -	- / -	- / -	- / -	162 / 0.862	- / -	- / -	- / -	- / -	162 / 0.862
<i>Subtotal: Non-Recurring</i>												
	- / -	- / -	- / -	- / -	- / -	- / -	162 / 0.862	- / -	- / -	- / -	- / -	162 / 0.862
<i>Subtotal: CAT Tanker Bar/Crowbar Stowage Hardware</i>												
	- / -	- / -	- / -	- / -	- / -	- / -	162 / 0.862	- / -	- / -	- / -	- / -	162 / 0.862
<i>Subtotal: Procurement, All Modification Items</i>												
	- / 2,198.571	367 / 3.028	1,496 / 90.986	1,306 / 42.574	- / -	1,306 / 42.574	1,614 / 46.453	- / -	- / -	- / -	- / -	4,783 / 2,381.612
Installation												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications	Modification Number / Title: GA0400 / M109 FOV Modifications
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ID Code (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Models of Systems Affected: M109 Howitzer and M992 FAASV/CAT Vehicles **Modification Type:** Increase Performance **Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Modification Item 3 of 12: Interior Blast Mitigation Retrofit Hardware/Fielding (M109A7)	- / -	685 / -	800 / -	466 / -	- / -	466 / -	800 / -	- / -	- / -	- / -	- / -	2,751 / -
Modification Item 4 of 12: Chief of Section Protection (Inc. I) Hardware Fielding	- / -	- / -	296 / -	62 / -	- / -	62 / -	112 / -	52 / -	- / -	- / -	- / -	522 / -
Modification Item 5 of 12: Ventilation System Dust Cover	- / -	- / -	200 / -	42 / -	- / -	42 / -	127 / -	- / -	- / -	- / -	- / -	369 / -
Modification Item 6 of 12: Self-Propelled Howitzer Crew Compartment Automated Fire Extinguishing System Hardware and Fielding	- / -	- / -	120 / -	100 / -	- / -	100 / -	112 / -	114 / -	- / -	- / -	- / -	446 / -
Modification Item 9 of 12: AFES Control Electronics Panel (CEP) HW	- / -	- / -	- / -	90 / -	- / -	90 / -	273 / -	- / -	- / -	- / -	- / -	363 / -
Modification Item 10 of 12: Driver's Seatbelt Redesign Hardware	- / -	- / -	- / -	- / -	- / -	- / -	40 / -	122 / -	- / -	- / -	- / -	162 / -
Modification Item 11 of 12: Driver's Hatch Redesign Hardware	- / -	- / -	- / -	- / -	- / -	- / -	40 / -	122 / -	- / -	- / -	- / -	162 / -
<i>Subtotal: Installation</i>	- / -	685 / -	1,416 / -	760 / -	- / -	760 / -	1,504 / -	410 / -	- / -	- / -	- / -	4,775 / -
Total												
Total Cost (Procurement + Support + Installation)	2,198.571	3.028	90.986	42.574	-	42.574	46.453	-	-	-	-	2,381.612

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army					Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20			P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications			Modification Number / Title: GA0400 / M109 FOV Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 12: M109 Family of Vehicles Program Office							
Manufacturer Information							
Manufacturer Name: x				Manufacturer Location: x			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates	Oct 2022	Oct 2023	Oct 2024	Oct 2025			
Delivery Dates	Oct 2022	Oct 2023	Oct 2024	Oct 2025			
Installation Information							
Method of Implementation (Organic): N/A					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20			P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications			Modification Number / Title: GA0400 / M109 FOV Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 2 of 12: Prior Years Closed Modifications							
Manufacturer Information							
Manufacturer Name: x				Manufacturer Location: x			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): x					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications	Modification Number / Title: GA0400 / M109 FOV Modifications
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ID Code (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Modification Item 3 of 12: Interior Blast Mitigation Retrofit Hardware/Fielding (M109A7)

Manufacturer Information

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 6

Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates		Dec 2023	Dec 2024	Dec 2025			
Delivery Dates		Jun 2024	Jun 2025	Jun 2026			

Installation Information

Method of Implementation: .

Installation Cost	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	685 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	685 / 0.000
FY 2024	- / -	- / -	800 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	800 / 0.000
FY 2025	- / -	- / -	- / -	466 / 0.000	- / -	466 / 0.000	- / -	- / -	- / -	- / -	- / -	466 / 0.000
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	800 / 0.000	- / -	- / -	- / -	- / -	800 / 0.000
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	685 / 0.000	800 / 0.000	466 / 0.000	- / -	466 / 0.000	800 / 0.000	- / -	- / -	- / -	- / -	2,751 / 0.000

Installation Schedule

	PYS	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				TC	Tot								
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4										
In	-	-	-	-	-	800	-	-	-	466	-	-	-	800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,066
Out	-	-	-	-	-	-	-	400	400	-	-	233	233	-	-	400	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,066

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications	Modification Number / Title: GA0400 / M109 FOV Modifications
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ID Code (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Modification Item 4 of 12: Chief of Section Protection (Inc. I) Hardware Fielding

Manufacturer Information

Manufacturer Name: TBD Manufacturer Location: TBD

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 3

Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates		Jun 2024	Mar 2025	Mar 2026			
Delivery Dates		Sep 2024	Jul 2025	Jul 2026			

Installation Information

Method of Implementation: .

Installation Cost	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	296 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	296 / 0.000
FY 2025	- / -	- / -	- / -	62 / 0.000	- / -	62 / 0.000	62 / 0.000	- / -	- / -	- / -	- / -	124 / 0.000
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	50 / 0.000	52 / 0.000	- / -	- / -	- / -	102 / 0.000
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	296 / 0.000	62 / 0.000	- / -	62 / 0.000	112 / 0.000	52 / 0.000	- / -	- / -	- / -	522 / 0.000

Installation Schedule

	PYS	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	296	-	-	-	124	-	-	-	102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	522
Out	-	-	-	-	-	-	-	74	74	74	74	31	31	31	31	25	25	25	27	-	-	-	-	-	-	-	-	-	-	-	522

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications	Modification Number / Title: GA0400 / M109 FOV Modifications
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ID Code (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Modification Item 5 of 12: Ventilation System Dust Cover

Manufacturer Information

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 3

Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates		Jun 2024	Jun 2025				
Delivery Dates		Sep 2024	Sep 2025				

Installation Information

Method of Implementation: .

Installation Cost	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	200 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	200 / 0.000
FY 2025	- / -	- / -	- / -	42 / 0.000	- / -	42 / 0.000	127 / 0.000	- / -	- / -	- / -	- / -	169 / 0.000
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	200 / 0.000	42 / 0.000	- / -	42 / 0.000	127 / 0.000	- / -	- / -	- / -	- / -	369 / 0.000

Installation Schedule

	PYS	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	200	-	-	-	169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	50	50	50	50	42	42	42	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications	Modification Number / Title: GA0400 / M109 FOV Modifications
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ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Modification Item 6 of 12: Self-Propelled Howitzer Crew Compartment Automated Fire Extinguishing System Hardware and Fielding

Manufacturer Information

Manufacturer Name: TBD	Manufacturer Location: TBD
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Administrative Leadtime (in Months):	Production Leadtime (in Months): 6
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Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates		Oct 2023		Oct 2025			
Delivery Dates		Oct 2024		Mar 2026			

Installation Information

Method of Implementation: .

Installation Cost	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	20 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.000
FY 2024	- / -	- / -	100 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 0.000
FY 2025	- / -	- / -	- / -	100 / 0.000	- / -	100 / 0.000	- / -	- / -	- / -	- / -	- / -	100 / 0.000
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	112 / 0.000	114 / 0.000	- / -	- / -	- / -	226 / 0.000
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	120 / 0.000	100 / 0.000	- / -	100 / 0.000	112 / 0.000	114 / 0.000	- / -	- / -	- / -	446 / 0.000

Installation Schedule

PYS	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				TC	Tot								
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4										
In	-	20	-	-	-	200	-	-	-	-	-	-	-	-	226	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	446
Out	-	-	-	10	10	-	-	50	50	50	50	-	-	-	-	56	56	56	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	446		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20			P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications			Modification Number / Title: GA0400 / M109 FOV Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 7 of 12: Fielding Hardware							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates		Oct 2023	Oct 2024	Oct 2025			
Delivery Dates		Oct 2023	Oct 2024	Oct 2025			
Installation Information							
Method of Implementation (Organic): .					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20			P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications			Modification Number / Title: GA0400 / M109 FOV Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 8 of 12: Universal Mounting Bracket HW							
Manufacturer Information							
Manufacturer Name: Rock Island Arsenal				Manufacturer Location: Rock Island Illinois			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 5			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates			Oct 2024				
Delivery Dates			Mar 2025				
Installation Information							
Method of Implementation (Organic): Rock Island Arsenal					Installation Quantity: 184		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications	Modification Number / Title: GA0400 / M109 FOV Modifications
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ID Code (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Modification Item 9 of 12: AFES Control Electronics Panel (CEP) HW

Manufacturer Information

Manufacturer Name: Kidde Manufacturer Location: North Carolina

Administrative Leadtime (in Months): 1 Production Leadtime (in Months): 10

Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates			Oct 2024				
Delivery Dates			Aug 2025				

Installation Information

Method of Implementation: contract

Installation Cost	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	90 / 0.000	- / -	90 / 0.000	273 / 0.000	- / -	- / -	- / -	- / -	363 / 0.000
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	90 / 0.000	- / -	90 / 0.000	273 / 0.000	- / -	- / -	- / -	- / -	363 / 0.000

Installation Schedule

	PYS	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				TC	Tot								
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4										
In	-	-	-	-	-	-	-	-	-	363	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	363
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	90	91	91	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	363

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications	Modification Number / Title: GA0400 / M109 FOV Modifications

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Modification Item 10 of 12: Driver's Seatbelt Redesign Hardware

Manufacturer Information

Manufacturer Name: TBD Manufacturer Location: Tbd

Administrative Leadtime (in Months): 1 Production Leadtime (in Months): 9

Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates				Nov 2025			
Delivery Dates				Aug 2026			

Installation Information

Method of Implementation: .

Installation Cost	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.000	122 / 0.000	- / -	- / -	- / -	162 / 0.000
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.000	122 / 0.000	- / -	- / -	- / -	162 / 0.000

Installation Schedule

	PYS	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				TC	Tot					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4							
In	-	-	-	-	-	-	-	-	-	-	-	-	-	162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	40	41	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications	Modification Number / Title: GA0400 / M109 FOV Modifications
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ID Code (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Modification Item 11 of 12: Driver's Hatch Redesign Hardware

Manufacturer Information

Manufacturer Name: TBD Manufacturer Location: TBD

Administrative Leadtime (in Months): 1 Production Leadtime (in Months): 11

Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates				Oct 2025			
Delivery Dates				Sep 2026			

Installation Information

Method of Implementation: .

Installation Cost	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.000	122 / 0.000	- / -	- / -	- / -	162 / 0.000
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.000	122 / 0.000	- / -	- / -	- / -	162 / 0.000

Installation Schedule

PYS	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				TC	Tot
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	40	41	41	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army					Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20			P-1 Line Item Number / Title: 2072GA0400 / M109 FOV Modifications			Modification Number / Title: GA0400 / M109 FOV Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 12 of 12: CAT Tanker Bar/Crowbar Stowage Hardware							
Manufacturer Information							
Manufacturer Name: Rock Island Arsenal				Manufacturer Location: Rock Island, IL			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 6			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates				Mar 2026			
Delivery Dates				Sep 2026			
Installation Information							
Method of Implementation (Organic): x					Installation Quantity: 162		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:** 2073GZ0410 / Paladin Integrated Management (PIM)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0203743A

Line Item MDAP/MAIS Code: 466

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	349	46	24	20	-	20	25	19	20	21	155	679
Gross/Weapon System Cost (<i>\$ in Millions</i>)	4,312.275	1,009.489	469.152	417.741	-	417.741	488.315	423.898	445.948	479.402	2,725.567	10,771.787
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	4,312.275	1,009.489	469.152	417.741	-	417.741	488.315	423.898	445.948	479.402	2,725.567	10,771.787
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4,312.275	1,009.489	469.152	417.741	-	417.741	488.315	423.898	445.948	479.402	2,725.567	10,771.787

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	12,356.089	21,945.413	19,548.000	20,887.050	-	20,887.050	19,532.600	22,310.421	22,297.400	22,828.667	17,584.303	15,864.193

Description:

This funding line is a key enabler of the Army Modernization Priorities in support of Long-Range Precision Fires.

Paladin Integrated Management (PIM) is an Acquisition Category (ACAT) level IC Major Defense Acquisition Program (MDAP). The program will replace the current fleet of M109 Family of Vehicles (FOV) which consists of the M109A6 Self-Propelled Howitzer (SPH) and the M992A2 Field Artillery Ammunition Supply Vehicle (FAASV). PIM is an Army Modernization Program that addresses a critical capability gap created by the Non-Line of Sight Cannon termination in June of 2009, as well as obsolescence and size/weight and power (SWaP) issues in the M109 FOV current fleet. The PIM system integrates the current Bradley Fighting Vehicle suspension and drivetrain items, Future Combat Systems (FCS) developed Electric Gun Drive systems and current fleet armament systems into a new chassis that provides better force protection, survivability and mobility over the antecedent vehicles (M109A6 and M992A2). PIM is a two vehicle system: The M109A7 SPH and the M992A3 Carrier Ammunition Tracked (CAT). The M109A7 SPH has all characteristics listed above. The CAT utilizes all these same components and traits less those that relate directly to the cannon system. The PIM system replaces the current M109 FOV on a one for one basis, in the cannon fires battalions in the Armored Brigade Combat Team Formations and in the Echelons Above Brigade (EAB). The PIM system will continue fielding until the Army Acquisition Objective (AAO) is complete. The overall intent is to increase Soldier force protection, vehicle survivability, provide an appropriate amount of Space, Weight, and Power (SWaP) capacity to add future capabilities, reduce life cycle costs and extend the life of the M109 FOV.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	46	12	10	-	10	13	10	10	10
	Total Obligation Authority	1,009.489	254.222	208.880	-	208.880	244.157	211.948	222.973	239.700
ANG	Quantity	-	12	10	-	10	12	9	10	11
	Total Obligation Authority	-	214.930	208.861	-	208.861	244.158	211.950	222.975	239.702
Total:	Quantity	46	24	20	-	20	25	19	20	21
Secondary Distribution	Total Obligation Authority	1,009.489	469.152	417.741	-	417.741	488.315	423.898	445.948	479.402

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity:
 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:**
 2073GZ0410 / Paladin Integrated Management (PIM)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0203743A

Line Item MDAP/MAIS Code: 466

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	GZ0410 / Paladin Integrated Management (PIM)	P-5a, P-21	A		349 / 4,312.275	46 / 1,009.489	24 / 469.152	20 / 417.741	- / -	20 / 417.741
P-40	Total Gross/Weapon System Cost				349 / 4,312.275	46 / 1,009.489	24 / 469.152	20 / 417.741	- / -	20 / 417.741

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2025 Base Procurement dollars in the amount of \$417.741 million support all aspects of the PIM Full Rate Production (FRP) program. Funding also supports the Government Program Management support required to provide oversight on contractor production operations that include: Quality Process Management, Program Management Reviews (weekly, monthly, and quarterly), Government Furnished Property and Material Management, and engineering activities resulting from waivers/deviations/problem resolution and supplier/vendor industrial base. Funding also supports work being completed to provide Government Furnished Material (GFM) such as cannon assemblies to the vehicle prime production contractor as well as the contractor operations needed to sustain production operations for the acquisition of materials/components/end items, manufacturing and assembly of subsystems, and the integration, test, and checkout operations required to produce all 20 vehicle sets funded with FY 2025 Base Procurement funding. The unit cost represents a cost per vehicle set (1 Self Propelled Howitzer (SPH) and 1 Carrier Ammunition Tracked (CAT)).

The FY 2023 actuals for base include \$329.400 million emergency supplemental funding to support the procurement of 18 replacement vehicle sets transferred to Ukraine in support of the international effort to counter Russian aggression.

This funding line is a key enabler of the Army Modernization Priorities in support of Long-Range Precision Fires.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Army Acquisition Objective (AAO): 689 sets

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20		P-1 Line Item Number / Title: 2073GZ0410 / Paladin Integrated Management (PIM)
		Item Number / Title [DODIC]: GZ0410 / Paladin Integrated Management (PIM)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	349	46	24	20	-	20
Gross/Weapon System Cost (\$ in Millions)	4,312.275	1,009.489	469.152	417.741	-	417.741
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	4,312.275	1,009.489	469.152	417.741	-	417.741
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	4,312.275	1,009.489	469.152	417.741	-	417.741

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	12,356.089	21,945.413	19,548.000	20,887.050	-	20,887.050

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
SYS ENG/ PROG MGMT (CONTRACTOR)	-	-	63.439	-	-	31.228	-	-	20.173	-	-	16.940	-	-	-	-	-	16.940
SYSTEM TECHNICAL SUPPORT	-	-	354.546	-	-	68.444	-	-	53.307	-	-	54.712	-	-	-	-	-	54.712
SYS TEST & EVALUATION (CONTRACTOR)	-	-	29.997	-	-	2.285	-	-	2.100	-	-	2.694	-	-	-	-	-	2.694
SYS ENG/ PROG MGMT (GOVERNMENT)	-	-	170.350	-	-	21.266	-	-	21.709	-	-	22.339	-	-	-	-	-	22.339
SYS TEST & EVALUATION (GOVERNMENT)	-	-	13.315	-	-	1.967	-	-	1.071	-	-	3.066	-	-	-	-	-	3.066
TRANSPORTATION	-	-	3.988	-	-	1.000	-	-	0.977	-	-	0.820	-	-	-	-	-	0.820
<i>Subtotal: Recurring Cost</i>	-	-	635.635	-	-	126.190	-	-	99.337	-	-	100.571	-	-	-	-	-	100.571
Non Recurring Cost																		
PRODUCTION FACILITIZATION	-	-	31.474	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	31.474	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	667.109	-	-	126.190	-	-	99.337	-	-	100.571	-	-	-	-	-	100.571
Hardware Cost																		

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Exhibit P-5, Cost Analysis: PB 2025 Army												Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20						P-1 Line Item Number / Title: 2073GZ0410 / Paladin Integrated Management (PIM)						Item Number / Title [DODIC]: GZ0410 / Paladin Integrated Management (PIM)					
ID Code (A=Service Ready, B=Not Service Ready) : A												MDAP/MAIS Code:					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Recurring Cost																		
MANUFACTURING ^(†)	8,104.341	349	2,828.415	11,434.864	59	674.657	11,592.667	24	278.224	11,681.750	20	233.635	-	-	-	11,681.750	20	233.635
GOVERNMENT FURNISHED EQUIPMENT (GFE)	-	-	421.415	-	-	100.861	-	-	33.825	-	-	31.127	-	-	-	-	-	31.127
THEATRE PROVIDED EQUIPMENT	-	-	62.320	-	-	17.236	-	-	17.580	-	-	24.115	-	-	-	-	-	24.115
RECURRING PRODUCTION - OTHER	-	-	59.807	-	-	37.405	-	-	4.199	-	-	3.526	-	-	-	-	-	3.526
ENGINEERING CHANGE ORDERS	-	-	90.982	-	-	28.948	-	-	20.562	-	-	16.014	-	-	-	-	-	16.014
<i>Subtotal: Recurring Cost</i>	-	-	3,462.939	-	-	859.107	-	-	354.390	-	-	308.417	-	-	-	-	-	308.417
<i>Subtotal: Hardware Cost</i>	-	-	3,462.939	-	-	859.107	-	-	354.390	-	-	308.417	-	-	-	-	-	308.417
Support - Contractor Logistics Support (CLS) Cost																		
Oversight	-	-	3.745	-	-	0.560	-	-	0.571	-	-	0.694	-	-	-	-	-	0.694
<i>Subtotal: Support - Contractor Logistics Support (CLS) Cost</i>	-	-	3.745	-	-	0.560	-	-	0.571	-	-	0.694	-	-	-	-	-	0.694
Support - Data Cost																		
Technical Publications	-	-	23.050	-	-	1.459	-	-	1.488	-	-	1.250	-	-	-	-	-	1.250
<i>Subtotal: Support - Data Cost</i>	-	-	23.050	-	-	1.459	-	-	1.488	-	-	1.250	-	-	-	-	-	1.250
Support - Initial Spares and Repair Parts Cost																		
Initial Spares and Repair Parts	-	-	61.606	-	-	11.873	-	-	8.074	-	-	3.839	-	-	-	-	-	3.839
<i>Subtotal: Support - Initial Spares and Repair Parts Cost</i>	-	-	61.606	-	-	11.873	-	-	8.074	-	-	3.839	-	-	-	-	-	3.839
Support - Initial Support Equipment (ISE) Cost																		
Support and Handling Equipment	-	-	12.064	-	-	2.153	-	-	2.080	-	-	2.223	-	-	-	-	-	2.223
<i>Subtotal: Support - Initial Support Equipment (ISE) Cost</i>	-	-	12.064	-	-	2.153	-	-	2.080	-	-	2.223	-	-	-	-	-	2.223
Support - New Equipment Training (NET) Cost																		
Equipment	-	-	25.504	-	-	3.755	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 2073GZ0410 / Paladin Integrated Management (PIM)	Item Number / Title [DODIC]: GZ0410 / Paladin Integrated Management (PIM)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support - New Equipment Training (NET) Cost</i>	-	-	25.504	-	-	3.755	-	-	-	-	-	-	-	-	-	-	-	-
Support - Support Equipment Cost																		
Maintenance Equipment	-	-	33.527	-	-	4.392	-	-	3.212	-	-	0.747	-	-	-	-	-	0.747
<i>Subtotal: Support - Support Equipment Cost</i>	-	-	33.527	-	-	4.392	-	-	3.212	-	-	0.747	-	-	-	-	-	0.747
Support - Training Cost																		
Equipment	-	-	22.731	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Training Cost</i>	-	-	22.731	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	12,356.089	349	4,312.275	21,945.413	46	1,009.489	19,548.000	24	469.152	20,887.050	20	417.741	-	-	-	20,887.050	20	417.741

Remarks:

The FY 2023 actuals for base include \$329.400 million emergency supplemental funding to support the procurement of replacement vehicles transferred to Ukraine in support of the international effort to counter Russian aggression. Funding received as follows: FY 2023 Ukraine Tranche 12 - \$207.000 million and FY 2023 Ukraine Tranche 13 - \$122.400 million Emergency Supplemental funding. The Tranche 12 & 13 funding obligated for quantity of 18 vehicle sets on the PIM production contract to procure additional M109A7 and M992A3 vehicle sets and various related Government Furnished Material (GFM) contracts. Replenishment funding maintains production of PIM through FY 2026.

FY 2024: The FY24 Production Follow-on Base Contract will award Early Order Material (EOM) for 24 vehicle sets in April 2024 and plans to definitize in June 2025.

Quantity Changes:

FY 2023 Total Quantity: 59 (Base: 36 vehicle sets; BEDI: 5 vehicle sets; Ukraine Supplemental: 18 vehicle sets)

To Complete Quantity: 152

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Army	Quantity	46	12	10	-	10
	Total Obligation Authority	1,009.489	254.222	208.880	-	208.880
ANG	Quantity	-	12	10	-	10
	Total Obligation Authority	-	214.930	208.861	-	208.861
Total: Secondary Distribution	Quantity	46	24	20	-	20
	Total Obligation Authority	1,009.489	469.152	417.741	-	417.741

(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army							Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20			P-1 Line Item Number / Title: 2073GZ0410 / Paladin Integrated Management (PIM)				Item Number / Title [DODIC]: GZ0410 / Paladin Integrated Management (PIM)				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
MANUFACTURING ^(†)		2023	BAE / York	SS / FPIF	TACOM, Warren, MI	Apr 2023	Aug 2025	59	11,434.864	N		
MANUFACTURING ^(†)		2024	BAE / York	SS / FPIF	TACOM, Warren, MI	Mar 2024	Aug 2026	24	11,592.667	N		
MANUFACTURING ^(†)		2025	BAE / York	SS / FPIF	TACOM, Warren, MI	Apr 2025	Aug 2027	20	11,681.750	N		

^(†) indicates the presence of a P-21

Remarks:

The FY 2023 actuals for base include \$329.400 million emergency supplemental funding to support the procurement of replacement vehicles transferred to Ukraine in support of the international effort to counter Russian aggression. Funding received as follows: FY 2023 Ukraine Tranche 12 - \$207.000 million and FY 2023 Ukraine Tranche 13 - \$122.400 million Emergency Supplemental funding. The Tranche 12 & 13 funding obligated for quantity of 18 vehicle sets on the PIM production contract to procure additional M109A7 and M992A3 vehicle sets and various related Government Furnished Material (GFM) contracts. Replenishment funding maintains production of PIM through FY 2026.

FY 2024: The FY24 Production Follow-on Base Contract will award EOM for 24 vehicle sets in April 2024 and plans to definitize in June 2025.

Quantity Changes:

FY 2023 Total Quantity: 59 (Base: 36 vehicle sets; BEDI: 5 vehicle sets; Ukraine Supplemental: 18 vehicle sets)

To Complete Quantity: 152

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Exhibit P-21, Production Schedule: PB 2025 Army																				Date: March 2024									
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20										P-1 Line Item Number / Title: 2073GZ0410 / Paladin Integrated Management (PIM)										Item Number / Title [DODIC]: GZ0410 / Paladin Integrated Management (PIM)									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2023															Fiscal Year 2024												BALANCE						
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023															Calendar Year 2024																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								
MANUFACTURING																																						
Prior Years Deliveries: 349																																						
	1	2023	ARMY	59	0	59																															59	
	1	2024	ARMY	24	0	24																																24
	1	2025	ARMY	20	0	20																																20
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

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Exhibit P-21, Production Schedule: PB 2025 Army															Date: March 2024														
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20										P-1 Line Item Number / Title: 2073GZ0410 / Paladin Integrated Management (PIM)										Item Number / Title [DODIC]: GZ0410 / Paladin Integrated Management (PIM)									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2025															Fiscal Year 2026															BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025															Calendar Year 2026															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
MANUFACTURING																																					
Prior Years Deliveries: 349																																					
1	2023	ARMY		59	0	59	-	-	-	-	-	-	-	-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4			0			
1	2024	ARMY		24	0	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	20			
1	2025	ARMY		20	0	20											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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Exhibit P-21, Production Schedule: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 2073GZ0410 / Paladin Integrated Management (PIM)	Item Number / Title [DODIC]: GZ0410 / Paladin Integrated Management (PIM)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	BAE - York	2	4	5	0	15	30	45	0	15	30	45

Remarks:
 FY 2024: The FY24 Production Follow-on Base Contract will award 34 vehicle sets in April 2024 and plans to definitize in June 2025.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:** 3700GA0570 / IMPROVED RECOVERY VEHICLE (M88 HERCULES)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: 539

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	933	14	-	10	-	10	10	10	10	10	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,950.142	179.150	41.058	151.657	-	151.657	158.754	154.177	144.913	146.363	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,950.142	179.150	41.058	151.657	-	151.657	158.754	154.177	144.913	146.363	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,950.142	179.150	41.058	151.657	-	151.657	158.754	154.177	144.913	146.363	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	3,161.996	12,796.429	-	15,165.700	-	15,165.700	15,875.400	15,417.700	14,491.300	14,636.300	Continuing	Continuing

Description:

The M88 Heavy Equipment Recovery Combat Utility Lift and Evacuation System (HERCULES) Family of Vehicles (FoV) provides towing, winching, and hoisting operations to support battlefield Single Vehicle Recovery (SVR) operations and evacuation of heavy tanks and other tracked combat vehicles. The current M88A2 HERCULES variant provides support to vehicles up to 70-tons. It recovers tanks mired to differing depths, removes/replaces M1 turrets and power packs, and uprights overturned/mired heavy combat vehicles with a 70-ton continuous pull main winch capacity. The Army is on track to modernize the M88 FoV to regain SVR due to the increased weight (up to 80 tons with force protection kits applied) of some of the Army's major combat vehicle systems and the loss of SVR capabilities. This will be accomplished by applying the single vehicle recovery Engineering Change Proposal (ECP) that includes modified non-developmental technologies comprising a new Power Train (Engine & Transmission), new Suspension, and Improved Track to the M88A2 vehicle resulting in the M88A3 variant vehicle. The M88A3 vehicles will bring back the operational capability of the single vehicle recovery. The increased winching and lifting capability can accommodate all 80-ton Abrams variants. Without this increased capability, units must use two M88A2 recovery vehicles to perform the necessary spectrum of recovery operations.

The Combat Recovery Vehicle (CRS) program provides funding for the procurement of M88 Family of Vehicles (FoV), as well as personnel, engineering, design, testing, hardware procurement, and application of improvements to resolve safety, readiness, and vehicle recovery operation issues identified in the field and approved by the Materiel Developer and Combat Developer. These improvements will increase operational readiness rates to meet objectives, improve vehicle safety and operation, and integrate new equipment to meet field requirements. Engineering Change Proposals (ECPs) will be applied and procured through modification work order (MWO) for the M88 FoV. Specific modifications include improvements related to engine reliability, automatic fire extinguishing system (AFES), power management system, improved automotive performance related to braking, and special tools delta kits. Funding also maintains M88 HERCULES vehicle fielding support and M88 Safety/Reliability ECPs (e.g., Auxiliary Power Unit, Battery Disconnect). Funding supports requirements for production facilitization updates and improvements at the Vehicle Upgrade and Overhaul Center (VUOC) in Anniston, AL, and associated vendors.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	10	-	10	-	10	10	10	10	10
	Total Obligation Authority	157.703	41.058	151.657	-	151.657	158.754	154.177	144.913	146.363
ANG	Quantity	4	-	-	-	-	-	-	-	-
	Total Obligation Authority	21.447	-	-	-	-	-	-	-	-
Total:	Quantity	14	-	10	-	10	10	10	10	10

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles	P-1 Line Item Number / Title: 3700GA0570 / IMPROVED RECOVERY VEHICLE (M88 HERCULES)
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: 539

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Secondary Distribution	Total Obligation Authority	179.150	41.058	151.657	-	151.657	158.754	154.177	144.913	146.363

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity:
 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:**
 3700GA0570 / IMPROVED RECOVERY VEHICLE (M88 HERCULES)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: 539

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	GA0570 / IMPROVED RECOVERY VEHICLE (M88 HERCULES)	P-5a, P-21	A		933 / 2,950.142	14 / 179.150	- / 41.058	10 / 151.657	- / -	10 / 151.657
P-40	Total Gross/Weapon System Cost				933 / 2,950.142	14 / 179.150	- / 41.058	10 / 151.657	- / -	10 / 151.657

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2025 Base Procurement dollars in the amount of \$151.657 million supports the vehicle production and the procurement of 10 vehicles, M88 Family of Vehicles (FoV) System Technical Support (STS) and modification priorities. Modification priorities include the engine reliability improvement effort (converting the mechanical fuel injection system into an electronic fuel injection system), Automatic Fire Extinguishing System (AFES) and other safety improvements. Funding maintains STS efforts such as STS management, Total Ownership Cost Reduction (TOCR), field feedback and fire investigations, Diminishing Manufacturing Sources and Material Shortages (DMSMS), facility vehicle maintenance, Technical Data Package (TDP) maintenance, Environmental, Safety, and Occupational Health (ESOH) corrosion prevention and control, HERCULES Support Team (HST) in support of fieldings, and modification integration for the M88 FoV currently being produced, fielded and production facilitization updates and improvements. The FY 2025 quantities are draft and subject to change pending the contract/final negotiated pricing.

The FY 2023 actuals for base include \$56.459 million emergency supplemental funding to support the procurement of replacement vehicles transferred to Ukraine in support of the international effort to counter Russian aggression.

M88 FoV modifications address improvements for increasing operational readiness rates to meet objectives: improving vehicle safety and operation, and integrating new equipment. The M88 FoV Engineering Change Proposals (ECPs) require application to the vehicles through a Modification Work Order (MWO). Specific modifications include safety and reliability modifications to the engine; converting the mechanical fuel injection to an electronic fuel injection system, providing on-board digital driver's display and engine diagnostics, upgrading the exhaust manifolds and turbo chargers that have been identified as significant thermal event initiation sources during fire investigations, as well as developing the corresponding technical manuals for the modification. Additional modifications finalize the updates to the automatic fire extinguishing system (AFES); special tools delta kits and container, improvements to automotive performance related to braking, and other operation and safety improvements. Funding supports requirements for production facilitization updates and improvements at the Vehicle Upgrade and Overhaul Center (VUOC) in Anniston, AL, and associated vendors.

Systems Technical Support (STS) funding increased from FY 2024 to FY 2025 due to the start of production for the M88A3 vehicle platform; adding additional requirements to the STS contract. Recurring STS Management, TDP Maintenance, Facility Vehicle Maintenance, Diminishing Manufacturing Sources and Material Shortages (DMSMS) and Environmental, Safety, and Occupational Health (ESOH) covers both M88A2 and M88A3 vehicles. New design improvements to M88A3 subsystems as a result of testing needed to comply with Category II and Category III requirements. New efforts for the M88 FoV include maintainability and transportability improvements, logistics efforts including 1790-10A engine national maintenance work requirement (NMWR) development, M88A2 depot maintenance work requirement (DMWR) updates, verification and validation, M88A3 DMWR and subsystem NMWRs, as well as software support. Funding for Modifications increased from FY 2024 to FY 2025 due to the procuring of hardware, installation, and overhaul of the engine Electronic Fuel Injection (EFI) program, and the addition of a driver's display for monitoring engine performance and diagnostics.

In accordance with section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110 - 181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 3700GA0570 / IMPROVED RECOVERY VEHICLE (M88 HERCULES)	Item Number / Title [DODIC]: GA0570 / IMPROVED RECOVERY VEHICLE (M88 HERCULES)

ID Code (A=Service Ready, B=Not Service Ready) : A				MDAP/MAIS Code:				
Resource Summary			Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (<i>Units in Each</i>)	933	14	-	10	-	-	-	10
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,950.142	179.150	41.058	151.657	-	-	-	151.657
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,950.142	179.150	41.058	151.657	-	-	-	151.657
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,950.142	179.150	41.058	151.657	-	-	-	151.657
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	3,161.996	12,796.429	-	15,165.700	-	-	-	15,165.700

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
M88 Vehicle Manufacturing - Contractor ^(†)	2,282.353	933	2,129.435	5,206.409	22	114.541	-	-	-	6,960.100	10	69.601	-	-	-	6,960.100	10	69.601
Vehicle Manufacturing - GFE	-	-	102.304	-	-	6.317	-	-	-	-	-	1.096	-	-	-	-	-	1.096
Hull Reclamation	-	-	85.603	-	-	4.621	-	-	-	-	-	1.934	-	-	-	-	-	1.934
Fielding (TPF & NET)	-	-	97.241	-	-	4.423	-	-	-	-	-	5.622	-	-	-	-	-	5.622
Transportation	-	-	16.248	-	-	0.600	-	-	-	-	-	0.129	-	-	-	-	-	0.129
Test (Production Verification Testing)	-	-	25.808	-	-	0.377	-	-	-	-	-	-	-	-	-	-	-	-
System Technical Support	-	-	376.977	-	-	15.319	-	-	30.821	-	-	31.288	-	-	-	-	-	31.288
Program Management	-	-	109.494	-	-	7.275	-	-	7.237	-	-	9.504	-	-	-	-	-	9.504
Modifications	-	-	7.032	-	-	25.677	-	-	3.000	-	-	25.194	-	-	-	-	-	25.194
Facilities	-	-	-	-	-	-	-	-	-	-	-	7.289	-	-	-	-	-	7.289
<i>Subtotal: Recurring Cost</i>	-	-	2,950.142	-	-	179.150	-	-	41.058	-	-	151.657	-	-	-	-	-	151.657
<i>Subtotal: Flyaway Cost</i>	-	-	2,950.142	-	-	179.150	-	-	41.058	-	-	151.657	-	-	-	-	-	151.657
Gross/Weapon System Cost	3,161.996	933	2,950.142	12,796.429	14	179.150	-	-	41.058	15,165.700	10	151.657	-	-	-	15,165.700	10	151.657

Remarks:

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 3700GA0570 / IMPROVED RECOVERY VEHICLE (M88 HERCULES)	Item Number / Title [DODIC]: GA0570 / IMPROVED RECOVERY VEHICLE (M88 HERCULES)

ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Modification funding should not be included in the unit cost. The calculation for unit cost is the sum of M88 Vehicle Manufacturing Contractor, Vehicle Manufacturing Government Furnished Equipment (GFE), Hull Reclamation, and Transportation divided by vehicle quantity.

The Average Procurement Unit Cost (APUC) for FY 2025 is \$6.960M for a quantity of 10 M88A3s. The FY 2025 quantities are draft and subject to change pending the contract/final negotiated pricing.

FY 2023 is the last year the program will procure M88A2s. Beginning in FY 2025 the program will procure M88A3s.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Army	Quantity	10	-	10	-	10
	Total Obligation Authority	157.703	41.058	151.657	-	151.657
ANG	Quantity	4	-	-	-	-
	Total Obligation Authority	21.447	-	-	-	-
Total:	Quantity	14	-	10	-	10
Secondary Distribution	Total Obligation Authority	179.150	41.058	151.657	-	151.657

(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army							Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20			P-1 Line Item Number / Title: 3700GA0570 / IMPROVED RECOVERY VEHICLE (M88 HERCULES)				Item Number / Title [DODIC]: GA0570 / IMPROVED RECOVERY VEHICLE (M88 HERCULES)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
M88 Vehicle Manufacturing - Contractor ^(†)		2023	BAE Systems / Anniston, AL	C / FFP	Detroit Arsenal, MI	May 2024	Mar 2025	22	5,206.409	Y		Aug 2023
M88 Vehicle Manufacturing - Contractor ^(†)		2025	BAE Systems / Anniston, AL	C / FFP	Detroit Arsenal, MI	Jan 2025	Jan 2027	10	6,960.100	N		Feb 2024

^(†) indicates the presence of a P-21

Remarks:

After the submission of the FY 2023 budget, the program office requested a zero sum (within BLI) realignment of efforts and funding in the amount of \$69.332 million to support the procurement of M88A2 vehicles. Due to the timing of receipt of funding and the contracting administrative process, the planned FY 2023 contract award shifted to May 2024.

FY 2023 procures M88A2s (May 2024 award date).

FY 2024 funding supports System Technical Support (STS) and modification priorities to include Engine Reliability Improvement (EFI) effort (converting the mechanical fuel injection system into an electronic fuel injection system) and procurement of kits associated with the Automatic Fire Extinguishing System (AFES) and other safety improvements.

FY 2025 procures M88A3s (January 2025 award date).

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Exhibit P-21, Production Schedule: PB 2025 Army															Date: March 2024														
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20										P-1 Line Item Number / Title: 3700GA0570 / IMPROVED RECOVERY VEHICLE (M88 HERCULES)										Item Number / Title [DODIC]: GA0570 / IMPROVED RECOVERY VEHICLE (M88 HERCULES)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026														Fiscal Year 2027														B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026														Calendar Year 2027														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
M88 Vehicle Manufacturing - Contractor																																			
Prior Years Deliveries: 933																																			
1	2023	ARMY		22	21	1	1																							0					
1	2025	ARMY		10	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: PB 2025 Army									Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20					P-1 Line Item Number / Title: 3700GA0570 / IMPROVED RECOVERY VEHICLE (M88 HERCULES)				Item Number / Title [DODIC]: GA0570 / IMPROVED RECOVERY VEHICLE (M88 HERCULES)			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	BAE Systems - Anniston, AL	1	3	5	24	4	24	28	8	4	24	28

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:** 5225GZ3001 / Joint Assault Bridge

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604804A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	114	6	24	28	-	28	22	27	32	32	-	285
Gross/Weapon System Cost (<i>\$ in Millions</i>)	663.128	35.990	159.804	174.779	-	174.779	142.993	168.203	200.946	202.887	-	1,748.730
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	663.128	35.990	159.804	174.779	-	174.779	142.993	168.203	200.946	202.887	-	1,748.730
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	663.128	35.990	159.804	174.779	-	174.779	142.993	168.203	200.946	202.887	-	1,748.730

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	5,816.912	5,998.333	6,658.500	6,242.107	-	6,242.107	6,499.682	6,229.741	6,279.563	6,340.219	-	6,135.895

Description:

The M1110 Joint Assault Bridge (JAB) replaces the existing M104 Wolverine and the M48A5/M60 chassis-based Armored Vehicle Launched Bridge (AVLB) to meet current maneuver force survivability, suitability and supportability requirements and provide the only gap crossing capabilities to the armored forces during combat operations. The Joint Assault Bridge (JAB) is an M1A1 Abrams chassis-based engineer vehicle with a heavy M1A2 Abrams suspension that launches and retrieves the 18.3 meter Heavy Assault Scissor Bridge (HASB), which is currently rated at Military Load Classification (MLC) 115 Tons. The JAB system will be employed with Army Armored Brigade Combat Teams (ABCT) in the Brigade Engineer Battalions (BEB), Engineer Mobility Augmentation Companies (MAC), and Combat Engineer Companies - Armored (CEC-A). The production / acquisition strategy includes a partnership with Anniston Army Depot (ANAD) for the production of the Abrams chassis and HASB. Armored Vehicle Launched Bridges (AVLBs) are upgraded to the Military Load Classification (MLC) 115 Heavy Assault Scissor Bridge (HASB) as part of the JAB production program at Anniston Army Depot (ANAD). The JAB program completed Initial Operational Test (IOT) in November 2020, received Type Classification-Standard (TC-STD) and Full Rate Production (FRP) approval in March 2021, and achieved Full Materiel Release on 3 Apr 2023.

Joint Assault Bridge (JAB) Army Acquisition Objective (AAO): 297

Overseas Operations Costs (OOC) funds this requirement in the amount of \$12,507 thousand for FY 2025 Budget Estimate. Overseas Operations Costs (OOC) are those financed with former Overseas Contingency Operations (OCO) funding.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	6	18	18	-	18	12	9	8	21
	Total Obligation Authority	35.990	120.140	115.960	-	115.960	77.486	58.718	53.261	137.680
ANG	Quantity	-	6	10	-	10	7	10	10	-
	Total Obligation Authority	-	39.664	58.819	-	58.819	43.574	60.125	64.756	-
AR	Quantity	-	-	-	-	-	3	8	14	11
	Total Obligation Authority	-	-	-	-	-	21.933	49.360	82.929	65.207
Total:	Quantity	6	24	28	-	28	22	27	32	32

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles
P-1 Line Item Number / Title: 5225GZ3001 / Joint Assault Bridge

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604804A

Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Secondary Distribution	Total Obligation Authority	35.990	159.804	174.779	-	174.779	142.993	168.203	200.946	202.887

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:** 5225GZ3001 / Joint Assault Bridge

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604804A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	GZ3001 / Joint Assault Bridge	P-5a, P-21	A		114 / 663.128	6 / 35.990	24 / 159.804	28 / 174.779	- / -	28 / 174.779
P-40	Total Gross/Weapon System Cost				114 / 663.128	6 / 35.990	24 / 159.804	28 / 174.779	- / -	28 / 174.779

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2025 Base Procurement dollars in the amount of \$162.272 million procures twenty-six (26) Joint Assault Bridges (JABs).

FY 2025 Base Procurement dollars in the amount of \$12.507 million procures two (2) Joint Assault Bridges (JABs) in support of the European Deterrence Initiative (EDI). FY 2025 EDI funding has decreased by \$2 million from FY 2024 due to reduced labor and material costs at depot.

Funding supports the organic industrial base with work to be performed at Anniston Army Depot (ANAD), including purchase of long lead material and subsequent production effort.

The Joint Assault Bridge (JAB) fills a critical need in the Army Armored Brigade Combat Teams (ABCT) / Brigade Engineer Battalions (BEB), Engineer Mobility Augmentation Companies (MAC), Combat Engineer Companies - Armored (CEC-A) formations, and provides a system that offers the Combatant Commander improved readiness and enhanced survivability, mobility, and sustainability over the legacy M48A5/M60 Armored Vehicle Launched Bridge (AVLB). Without the JAB, these armored forces will not have the ability to cross gaps during combat operations, severely limiting movement and maneuver and degrading our advantage.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Overseas Operations Costs (OOC) funds this requirement in the amount of \$12,507 thousand for FY 2025 Budget Estimate. Overseas Operations Costs (OOC) are those financed with former Overseas Contingency Operations (OCO) funding.

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Exhibit P-5, Cost Analysis: PB 2025 Army											Date: March 2024						
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20						P-1 Line Item Number / Title: 5225GZ3001 / Joint Assault Bridge					Item Number / Title [DODIC]: GZ3001 / Joint Assault Bridge						
ID Code (A=Service Ready, B=Not Service Ready) : A						MDAP/MAIS Code:											
Resource Summary				Prior Years		FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Procurement Quantity (Units in Each)				114		6		24		28		-		28			
Gross/Weapon System Cost (\$ in Millions)				663.128		35.990		159.804		174.779		-		174.779			
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-			
Net Procurement (P-1) (\$ in Millions)				663.128		35.990		159.804		174.779		-		174.779			
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-			
Total Obligation Authority (\$ in Millions)				663.128		35.990		159.804		174.779		-		174.779			
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																	
Initial Spares (\$ in Millions)				-		-		-		-		-		-		-	
Gross/Weapon System Unit Cost (\$ in Thousands)				5,816.912		5,998.333		6,658.500		6,242.107		-		6,242.107			

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware - Low Rate Initial Production (LRIP)	1,416.646	79	111.915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Full Rate Production (FRP) ^(†)	1,200.293	41	49.212	1,192.167	6	7.153	1,913.708	24	45.929	2,234.607	28	62.569	-	-	-	2,234.607	28	62.569
Government Furnished Materials (GFM) Anniston Army Depot (ANAD) Rolling Chassis	2,769.017	120	332.282	2,839.833	6	17.039	3,735.750	24	89.658	3,171.964	28	88.815	-	-	-	3,171.964	28	88.815
Bridge Upgrades	488.583	120	58.630	498.000	6	2.988	535.417	24	12.850	481.643	28	13.486	-	-	-	481.643	28	13.486
Engineering Changes	-	-	27.379	-	-	2.000	-	-	2.000	-	-	1.115	-	-	-	-	-	1.115
System Engineering/ Program Management	-	-	39.322	-	-	1.661	-	-	4.205	-	-	4.594	-	-	-	-	-	4.594
Support Equipment/ Associated Support Items Of Equipment (ASIOE)	-	-	9.006	-	-	0.913	-	-	2.700	-	-	2.200	-	-	-	-	-	2.200
Fielding	-	-	6.994	-	-	0.900	-	-	1.600	-	-	1.500	-	-	-	-	-	1.500
First Destination Transportation - FDT	-	-	3.092	-	-	0.163	-	-	0.500	-	-	0.500	-	-	-	-	-	0.500
Subtotal: Recurring Cost	-	-	637.832	-	-	32.817	-	-	159.442	-	-	174.779	-	-	-	-	-	174.779
Non Recurring Cost																		
Logistics Products	-	-	6.132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2025 Army												Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20						P-1 Line Item Number / Title: 5225GZ3001 / Joint Assault Bridge						Item Number / Title [DODIC]: GZ3001 / Joint Assault Bridge					
ID Code (A=Service Ready, B=Not Service Ready) : A									MDAP/MAIS Code:								

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Simulator - Common Driver Trainer (CDT) Update	-	-	13.603	-	-	0.152	-	-	0.362	-	-	-	-	-	-	-	-	-
Interim Contractor Logistics Support (ICLS)	-	-	0.746	-	-	3.021	-	-	-	-	-	-	-	-	-	-	-	-
Reprogrammed dollars	-	-	4.815	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	25.296	-	-	3.173	-	-	0.362	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	663.128	-	-	35.990	-	-	159.804	-	-	174.779	-	-	-	-	-	174.779
Gross/Weapon System Cost	5,816.912	114	663.128	5,998.333	6	35.990	6,658.500	24	159.804	6,242.107	28	174.779	-	-	-	6,242.107	28	174.779

Remarks:

Depot costs at Anniston Army Depot (ANAD) are expected to decrease from FY 2024 to FY 2025 due to lower overhead costs and material prices.

The FY 2024 to FY 2025 hardware contractual unit cost increase is mainly attributable to the addition of Bridge Launch Mechanism Armor (BLM) Survivability, Non-Recurring Engineering (NRE) Change Proposal.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Army	Quantity	6	18	18	-	18
	Total Obligation Authority	35.990	120.140	115.960	-	115.960
ANG	Quantity	-	6	10	-	10
	Total Obligation Authority	-	39.664	58.819	-	58.819
Total: Secondary Distribution	Quantity	6	24	28	-	28
	Total Obligation Authority	35.990	159.804	174.779	-	174.779

(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 5225GZ3001 / Joint Assault Bridge	Item Number / Title [DODIC]: GZ3001 / Joint Assault Bridge
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware - Full Rate Production (FRP) ^(†)		2023	Leonardo DRS Sustainment Systems, Inc. / Saint Louis, MO	C / FFP	TACOM, Detroit Arsenal, MI	Oct 2022	Jun 2024	6	1,192.167	Y		
Hardware - Full Rate Production (FRP) ^(†)		2024	Leonardo DRS Sustainment Systems, Inc. / Saint Louis, MO	C / FFP	Tacom, Warren, MI	Nov 2023	Dec 2024	24	1,913.708	Y		
Hardware - Full Rate Production (FRP) ^(†)		2025	Leonardo DRS Sustainment Systems, Inc. / Saint Louis, MO	C / FFP	TACOM, Detroit Arsenal, MI	Nov 2024	Dec 2025	28	2,234.607	Y		

^(†) indicates the presence of a P-21

Remarks:
n/a

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20 **P-1 Line Item Number / Title:** 5225GZ3001 / Joint Assault Bridge **Item Number / Title [DODIC]:** GZ3001 / Joint Assault Bridge

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Hardware - Full Rate Production (FRP)																															
Prior Years Deliveries: 41																															
1		2023	ARMY	6	0	6	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	0
1		2024	ARMY	24	0	24																									24
1		2025	ARMY	28	0	28																									28
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20 **P-1 Line Item Number / Title:** 5225GZ3001 / Joint Assault Bridge **Item Number / Title [DODIC]:** GZ3001 / Joint Assault Bridge

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025												Fiscal Year 2026												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Hardware - Full Rate Production (FRP)																															
Prior Years Deliveries: 41																															
1	2023	ARMY		6	6	0																						0			
1	2024	ARMY		24	0	24	-	-	1	3	3	3	3	3	3	3	2											0			
1	2025	ARMY		28	0	28		A	-	-	-	-	-	-	-	-	-	-	-	2	3	3	3	3	2	2	2	2	2	4	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20 **P-1 Line Item Number / Title:** 5225GZ3001 / Joint Assault Bridge **Item Number / Title [DODIC]:** GZ3001 / Joint Assault Bridge

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027												Fiscal Year 2028												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027												Calendar Year 2028												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Hardware - Full Rate Production (FRP)																															
Prior Years Deliveries: 41																															
1		2023	ARMY	6	6	0																						0			
1		2024	ARMY	24	24	0																						0			
1		2025	ARMY	28	24	4	2	2																				0			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2025 Army	Date: March 2024
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Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 5225GZ3001 / Joint Assault Bridge	Item Number / Title [DODIC]: GZ3001 / Joint Assault Bridge
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Leonardo DRS Sustainment Systems, Inc. - Saint Louis, MO	2	2	4	0	5	14	19	0	1	13	14

Remarks:
n/a

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity:
 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:**
 6500GA0750 / Abrams Upgrade Program

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0203735A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	1,969	90	34	30	-	30	35	35	35	35	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	15,798.284	1,238.743	697.883	876.185	-	876.185	791.692	840.116	994.347	940.579	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	2,064.494	-	-	102.440	-	102.440	-	-	-	-	-	2,166.934
Net Procurement (P-1) (<i>\$ in Millions</i>)	13,733.790	1,238.743	697.883	773.745	-	773.745	791.692	840.116	994.347	940.579	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	2,064.494	-	102.440	-	-	-	-	-	-	-	-	2,166.934
Total Obligation Authority (<i>\$ in Millions</i>)	15,798.284	1,238.743	800.323	773.745	-	773.745	791.692	840.116	994.347	940.579	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	8,023.506	13,763.811	20,525.971	29,206.167	-	29,206.167	22,619.771	24,003.314	28,409.914	26,873.686	Continuing	Continuing

Description:

The Abrams Tank Program enables combat supremacy by upgrading existing tank variants to the M1A2 System Enhancement Package version 3 (SEPV3) configuration, modifying the fielded tank fleet and managing the industrial base (IB) recurring cost of daily operations and support of the production plants. This program focuses on planning, preparing, and executing all efforts required to produce the current and future Abrams tanks. The Abrams Program provides total package fielding and associated training devices to support fleet upgrades and modifications.

The Abrams Tank Production Program upgrades existing Abrams tank variants to the M1A2 SEPV3 tank configuration in order to enhance tank survivability, lethality, and mobility while improving overall system reliability and durability. The M1A2 SEPV3 incorporates turret and hull armor upgrades, mine blast improvements, reactive armor tiles, lightweight belly armor, improved countermine equipment, Improved Explosive Device (IED) jamming equipment, a Total Integrated Engine Revitalization (TIGER) engine, an upgraded transmission, an Auxiliary Power Unit (APU), improved power generation & distribution, Ammunition Data Link (ADL) for smart munitions, Embedded Training, Blue Force Tracker, Block 1 Second Generation Forward Looking Infra-Red (FLIR) technology, and improved computer systems with Line Replaceable Modules (LRMs) to include microprocessors, high-definition color flat panel displays, increased memory capacity, Gigabit Ethernet, and a new operating system designed to run the Common Operating Environment (COE) software. The Abrams Tank Production Program funds the costs required for the daily operation of the production plants producing M1A2 SEPV3 tanks and components. The Abrams Tank Production Program also mitigates SEPV3 tank obsolescence through Bill of Materiel (BOM) screening, last chance buys, and hardware refresh projects.

The Abrams Tank Fleet Modification Program provides System Technical Support (STS) for critical Abrams suppliers. The program applies the Material Developer and Combat Developer approved modifications to the fielded Abrams family of vehicles either through field modifications at the unit or through application during vehicle recapitalization.

Beginning in FY 2022, Abrams Modification (Mod) efforts and funding were realigned from the 6406GA0700 / M1 Abrams Tank (MOD) funding line for greater program transparency, responsiveness, and flexibility. Also beginning in FY 2021, the Abrams Modification Government Owned - Government Operated (GOGO) and Government Owned - Contractor Operated (GOCO) efforts were realigned to the 3270GC0050 / Production Base Support funding line for greater transparency.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army									
Quantity	41	-	30	-	30	35	35	35	35
Total Obligation Authority	772.922	222.350	773.745	-	773.745	791.692	840.116	994.347	940.579

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles		P-1 Line Item Number / Title: 6500GA0750 / Abrams Upgrade Program

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0203735A
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Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
ANG	Quantity	49	34	-	-	-	-	-	-	-
	Total Obligation Authority	465.821	577.973	-	-	-	-	-	-	-
Total:	Quantity	90	34	30	-	30	35	35	35	35
Secondary Distribution	Total Obligation Authority	1,238.743	800.323	773.745	-	773.745	791.692	840.116	994.347	940.579

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles **P-1 Line Item Number / Title:** 6500GA0750 / Abrams Upgrade Program

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0203735A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	GA0750 / Abrams Upgrade Program	P-5a, P-21	A		1,969 / 15,798.284	90 / 1,238.743	34 / 697.883	30 / 876.185	- / -	30 / 876.185
P-40	Total Gross/Weapon System Cost				1,969 / 15,798.284	90 / 1,238.743	34 / 697.883	30 / 876.185	- / -	30 / 876.185

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2025 Base Procurement dollars in the amount of \$876.185 million supports the following:

Note: The FY 2025 Quantity of 30 on the P-40 is based on the Abrams Net Procurement (P-1) funding of \$773.745 million. The quantity should be 41 vehicles based on funding of \$876.185 million and is reflected as such on the P-5, P-5a, and P-21 documents.

The upgrade and assembly of 41 Abrams tank variants to the M1A2 System Enhancement Package (SEP)v3 configuration enhances tank survivability, the automotive power pack, computer systems and night vision capabilities. The M1A2 System Enhancement Package (SEP)v3 also incorporates turret and hull armor upgrades for enhanced crew survivability. This upgrade is part of the Engineering Change Proposal (ECP) that addresses capability gaps in the tank fleet. The program upgrades will begin at Anniston Army Depot (ANAD) where Vehicle and Component Refurbishment will occur, and finish by General Dynamics Land Systems (GDLS) at the Joint Systems Manufacturing Center (JSMC) in Lima, OH. It also includes the procurement of Government Furnished Equipment, Common Remote Operated Weapon Station Low Profile (CROWS-LP), Gun Tubes, Engines, Transmissions, and Mounting Hardware for Mine Plows and Rollers. The program funds the recurring costs required for the daily operation and support of the production plants to include utilities and Energy Savings Performance Contract (ESPC) payments, manufacturing studies, security, inspections, and minor emergency repairs.

Funding supports the following efforts for Field Modification: procurement and installation of field modification hardware, System Technical Support (STS) efforts, continued support of the Total Integrated Engine Revitalization (TIGER) and Transmission programs; Next Generation Automatic Test Set (NGATS); upgrades to Training Aids, Devices, Simulators and Simulations (TADSS); logistics support to facilitate the installation of the improved Active Protection System, which is critical to counter anti-armor capabilities in near-peer adversaries.

The Abrams calculation for unit cost is the sum of Upgrade Vehicle Production (Basic Vehicle), Upgrade Government Furnished Equipment (GFE), Upgrade Vehicle and Component Refurbishment, and Upgrade Total Package Fielding (TPF) divided by vehicle quantity (see Exhibit P-5). The Average Procurement Unit Cost (APUC) for FY 2025 is \$15.989 million for quantity of 41 Tanks M1A2 SEPv3 using the M1A1 Situational Awareness (SA) variant as the seed for all 41 tank upgrades.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2025 Army					Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20			P-1 Line Item Number / Title: 6500GA0750 / Abrams Upgrade Program			Item Number / Title [DODIC]: GA0750 / Abrams Upgrade Program				
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:					
Resource Summary			Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total		
Procurement Quantity (Units in Each)			1,969	90	34	30	-	30		
Gross/Weapon System Cost (\$ in Millions)			15,798.284	1,238.743	697.883	876.185	-	876.185		
Less PY Advance Procurement (\$ in Millions)			2,064.494	-	-	102.440	-	102.440		
Net Procurement (P-1) (\$ in Millions)			13,733.790	1,238.743	697.883	773.745	-	773.745		
Plus CY Advance Procurement (\$ in Millions)			2,064.494	-	102.440	-	-	-		
Total Obligation Authority (\$ in Millions)			15,798.284	1,238.743	800.323	773.745	-	773.745		
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>										
Initial Spares (\$ in Millions)			-	-	-	-	-	-		
Gross/Weapon System Unit Cost (\$ in Thousands)			8,023.506	13,763.811	20,525.971	29,206.167	-	29,206.167		

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Basic Vehicle ^(†)	4,067.479	2,294	9,330.797	5,055.378	90	454.984	6,570.765	34	223.406	6,149.415	41	252.126	-	-	-	6,149.415	41	252.126
Government Furnished Equipment (GFE)	-	-	2,522.314	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Upgrade Government Furnished Equipment (GFE)	-	-	276.507	-	-	337.919	-	-	277.972	-	-	319.142	-	-	-	-	-	319.142
Pre-Modification Vehicle Teardown/ Refurb	-	-	682.084	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Upgrade Vehicle and Component Refurbishment	-	-	145.804	-	-	124.858	-	-	51.346	-	-	53.292	-	-	-	-	-	53.292
TPF/New Equipment Training	-	-	329.113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Package Fielding (TPF)	-	-	34.105	-	-	41.412	-	-	25.249	-	-	31.007	-	-	-	-	-	31.007
Field Modifications	-	-	246.122	-	-	237.330	-	-	68.789	-	-	-	-	-	-	-	-	-
Production Support Activities	-	-	-	-	-	-	-	-	-	-	-	110.780	-	-	-	-	-	110.780
Field Modifications Hardware	-	-	-	-	-	-	-	-	-	-	-	11.083	-	-	-	-	-	11.083
Field Modifications Installation	-	-	-	-	-	-	-	-	-	-	-	21.353	-	-	-	-	-	21.353

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20		P-1 Line Item Number / Title: 6500GA0750 / Abrams Upgrade Program
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Training Devices	-	-	-	-	-	-	-	-	-	-	-	10.500	-	-	-	-	-	10.500
Active Protection System	-	-	-	-	-	-	-	-	-	-	-	7.025	-	-	-	-	-	7.025
Government Support	-	-	1,233.261	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Government Program Support	-	-	45.729	-	-	42.240	-	-	51.121	-	-	59.877	-	-	-	-	-	59.877
Transmissions	-	-	288.344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Forward Looking Infrared (FLIR)	-	-	476.848	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Industrial Base Mitigation Support/ Facilities Optimization and Maintenance	-	-	185.463	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	15,796.491	-	-	1,238.743	-	-	697.883	-	-	876.185	-	-	-	-	-	876.185
Non Recurring Cost																		
FY 2019 NDAA SEC 825 MDAP Cost Overrun	-	-	1.793	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	1.793	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	15,798.284	-	-	1,238.743	-	-	697.883	-	-	876.185	-	-	-	-	-	876.185
Gross/Weapon System Cost	8,023.506	1,969	15,798.284	13,763.811	90	1,238.743	20,525.971	34	697.883	29,206.167	30	876.185	-	-	-	29,206.167	30	876.185

Remarks:

- Abrams calculation for unit cost is the sum of Upgrade Vehicle Production (Basic Vehicle), Upgrade Government Furnished Equipment (GFE), Upgrade Vehicle and Component Refurbishment, and Upgrade Total Package Fielding (TPF) divided by vehicle quantity.
- The Average Procurement Unit Cost (APUC) for FY 2025 is \$15.989 million for a quantity of 41 M1A2 SEPv3 tanks using the M1A1 SA as the seed vehicle for all 41 tank upgrades.
- The Average Procurement Unit Cost (APUC) for FY 2024 is \$16.999 million for a quantity of 34 M1A2 SEPv3 tanks using the M1A1 SAs as the seed vehicles for all 34 tank upgrades.
- The Average Procurement Unit Cost (APUC) for FY 2023 is \$10.657 million for a quantity of 90 M1A2 SEPv3 tanks using 44 M1A2 SEPv2s and 46 M1A1s as the seed vehicles for the tank upgrades.
- Beginning in FY 2022 the Transmissions and Forward Looking Infra-Red (FLIR) technology costs were rolled into the Government Furnished Equipment (GFE) line.
- Beginning in FY 2022 Abrams Industrial Base Mitigation Support/Facilities Optimization Maintenance cost element funding was realigned to the 3270GC0050 / Production Base Support funding line to provide greater transparency of those efforts.

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Exhibit P-5, Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 6500GA0750 / Abrams Upgrade Program	Item Number / Title [DODIC]: GA0750 / Abrams Upgrade Program
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Army	Quantity	41	-	30	-	30
	Total Obligation Authority	772.922	222.350	773.745	-	773.745
ANG	Quantity	49	34	-	-	-
	Total Obligation Authority	465.821	577.973	-	-	-
Total:	Quantity	90	34	30	-	30
Secondary Distribution	Total Obligation Authority	1,238.743	800.323	773.745	-	773.745

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 6500GA0750 / Abrams Upgrade Program	Item Number / Title [DODIC]: GA0750 / Abrams Upgrade Program
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Basic Vehicle ^(†)		2023	GDLS / Sterling Heights, MI	SS / FPIF	TACOM-Warren	Mar 2023	Dec 2024	90	5,055.378	N		
Basic Vehicle ^(†)		2024	GDLS / Sterling Heights, MI	SS / FPIF	TACOM-Warren	Mar 2024	Sep 2025	34	6,570.765	N		
Basic Vehicle ^(†)		2025	GDLS / Sterling Heights, MI	SS / FPIF	TACOM-Warren	Mar 2025	Sep 2026	41	6,149.415	N		

^(†) indicates the presence of a P-21

Remarks:
GDLS-Prime Contractor, Sterling Heights, MI
Manufactured at the Joint Systems Manufacturing Center (JSMC), Lima, OH

Notes: The FY 2025 Quantity of 30 on the P-40 is based on the Abrams Net Procurement (P-1) funding of \$773.745 million. The quantity should be 41 vehicles based on funding of \$876.185 million and is reflected as such on the P-5, P-5a, and P-21 documents.

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Exhibit P-21, Production Schedule: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20 **P-1 Line Item Number / Title:** 6500GA0750 / Abrams Upgrade Program **Item Number / Title [DODIC]:** GA0750 / Abrams Upgrade Program

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2025													Fiscal Year 2026												BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025													Calendar Year 2026												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P	
Basic Vehicle																																
Prior Years Deliveries: 2294																																
1		2023	ARMY	90	0	90	-	-	4	8	8	8	8	8	8	8	8	8	8	6											0	
1		2024	ARMY	34	0	34	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	2	2		0	
1		2025	ARMY	41	0	41																							4	37		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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Exhibit P-21, Production Schedule: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20 **P-1 Line Item Number / Title:** 6500GA0750 / Abrams Upgrade Program **Item Number / Title [DODIC]:** GA0750 / Abrams Upgrade Program

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027												Fiscal Year 2028												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T O 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027												Calendar Year 2028												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Basic Vehicle																															
Prior Years Deliveries: 2294																															
1		2023	ARMY	90	90	0																						0			
1		2024	ARMY	34	34	0																						0			
1		2025	ARMY	41	4	37	4	4	4	4	3	3	3	3	3	3												0			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2025 Army	Date: March 2024
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Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 6500GA0750 / Abrams Upgrade Program	Item Number / Title [DODIC]: GA0750 / Abrams Upgrade Program
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	GDLS - Sterling Heights, MI	1	12	37	0	14	18	32	0	5	18	23

Remarks:
 Notes: The FY 2025 Quantity of 30 on the P-40 is based on the Abrams Net Procurement (P-1) funding of \$773.745 million. The quantity should be 41 vehicles based on funding of \$876.185 million and is reflected as such on the P-5, P-5a, and P-21 documents.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2025 Army										Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles					P-1 Line Item Number / Title: 6500GA0750 / Abrams Upgrade Program							
Program Elements for Code B Items: N/A					Other Related Program Elements: 0203735A							

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,064.494	-	102.440	-	-	-	-	-	-	-	-	2,166.934
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,064.494	-	102.440	-	-	-	-	-	-	-	-	2,166.934
Total Obligation Authority (<i>\$ in Millions</i>)	2,064.494	-	102.440	-	-	-	-	-	-	-	-	2,166.934

Description:

GA0750C / Abrams Upgrade Advance Procurement (CY) is not requested for the Abrams Upgrade Program Budget Line FY 2025 through FY2027.

This funding line was initially requested in FY 2024 to provide Advance Procurement (AP) for the production of the Abrams M1A2 Systems Enhancement Program (SEP) version 4 (M1A2 SEpv4) tank. The initial procurement will include 45 each Third Generation Forward Looking Infrared (3rd GEN FLIR) Gunner's Primary Sight (GPS) and Commander's Primary Sight (CPS).

This funding line is directly aligned and supports the Army Armored Brigade Combat Team (ABCT) Modernization priority.

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 01: Tracked Combat Vehicles / BSA 20: Modification of Tracked Combat Vehicles		P-1 Line Item Number / Title: 6500GA0750 / Abrams Upgrade Program
Program Elements for Code B Items: N/A		Other Related Program Elements: 0203735A

Line Item MDAP/MAIS Code: N/A									
Exhibits Schedule				Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	GA0750 / Abrams Upgrade Program			1,969 / 2,064.494	90 / -	34 / 102.440	30 / -	- / -	30 / -
P-40	Total Gross/Weapon System Cost			1,969 / 2,064.494	90 / -	34 / 102.440	30 / -	- / -	30 / -

*Title represents the P-10 Title for Advance Procurement.
 Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 There is no FY 2025 budget request for this funding line.

Note: The FY 2024 Budget included a request for \$102.440 million for Advance Procurement to procure long lead items supporting Abrams M1A2 Systems Enhancement Program (SEP) version 4 (M1A2 SEPv4) tank. The Army later determined that the SEPv4 program was cancelled and on 8 September 2023, a notification letter requesting the realignment of the \$102.440 million advance procurement back to the Base Program funding line to procure seven additional SEPv3 vehicles and to conduct Field Modifications on the SEPv2 tanks for the Advance Multipurpose Round (AMP) and Trophy Ready Kits prior to final conference of the final FY24 Enactment. No future requirements for Advance Procurement are needed in FY 2025 and beyond.

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Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2025 Army					Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20			P-1 Line Item Number / Title: 6500GA0750 / Abrams Upgrade Program			P-5 Number / Title: GA0750 / Abrams Upgrade Program	
First System (2025) Award Date: November 2023		First System (2025) Completion Date: November 2025			Interval Between Systems: 24 Months		
Abrams Upgrade Program		Production Leadtime <i>(Months)</i>	Prior Years <i>(Each)</i>	FY 2023 <i>(Each)</i>	FY 2024 <i>(Each)</i>	FY 2025 <i>(Each)</i>	
Quantity			1,969	90	34	30	
Cost Elements		When Required <i>(Months)</i>	Prior Years <i>(\$ M)</i>	FY 2023 <i>(\$ M)</i>	FY 2024 <i>(\$ M)</i>	FY 2025 <i>(\$ M)</i>	
CFE							
Commander's and Gunner's Primary Sight		24	2,064.494	-	102.440	-	
<i>Total: CFE</i>			<i>2,064.494</i>	-	<i>102.440</i>	-	
Total Advance Procurement/Obligation Authority			2,064.494	-	102.440	-	

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Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 01 / 20	P-1 Line Item Number / Title: 6500GA0750 / Abrams Upgrade Program	P-5 Number / Title: GA0750 / Abrams Upgrade Program
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Cost Elements	QPA <i>(Each)</i>	FY 2025					Total Cost Request <i>(\$ M)</i>
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ K)</i>	Contract Forecast Date	2025 Qty <i>(Each)</i>	For FY	
CFE							
Commander's and Gunner's Primary Sight	45						-
<i>Total: CFE</i>							-
Total Advance Procurement/Obligation Authority							-

Description:
GA0750C / Abrams Upgrade Advance Procurement (CY) is not requested for the Abrams Upgrade Program Budget Line FY 2025 through FY2027.

This funding line was initially requested in FY 2024 to provide Advance Procurement (AP) for the production of the Abrams M1A2 Systems Enhancement Program (SEP) version 4 (M1A2 SEpv4) tank. The initial procurement will include 45 each Third Generation Forward Looking Infrared (3rd GEN FLIR) Gunner's Primary Sight (GPS) and Commander's Primary Sight (CPS).

This funding line is directly aligned and supports the Army Armored Brigade Combat Team (ABCT) Modernization priority.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles	P-1 Line Item Number / Title: 0418GN0003 / PERSONAL DEFENSE WEAPON (ROLL)
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	3,479	1,064	100	2,311	-	2,311	477	-	-	-	-	7,431
Gross/Weapon System Cost (<i>\$ in Millions</i>)	7.000	3.000	0.510	4.869	-	4.869	1.002	-	-	-	-	16.381
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	7.000	3.000	0.510	4.869	-	4.869	1.002	-	-	-	-	16.381
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7.000	3.000	0.510	4.869	-	4.869	1.002	-	-	-	-	16.381

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	2.012	2.820	5.100	2.107	-	2.107	2.101	-	-	-	-	2.204

Description:

(G00013) - Launched Electronic Stun Device (LESD): The LESD is an intermediate force conducted energy weapon (CEW). Probes are fired from the attached cartridge and impact the targeted individuals clothing or body. The electric pulses generated by the CEW are conducted through the tethered probes and into the individual, thereby allowing the electromagnetic interference (EMI) effect to disable individuals at a distance. LESD allows for increased force protection and provides Military Police (MPs) with a viable escalation of force capability. This item is Code A, approved for service use.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army									
Quantity	1,064	100	555	-	555	-	-	-	-
Total Obligation Authority	3.000	0.510	1.176	-	1.176	-	-	-	-
ANG									
Quantity	-	-	994	-	994	477	-	-	-
Total Obligation Authority	-	-	2.091	-	2.091	1.002	-	-	-
AR									
Quantity	-	-	762	-	762	-	-	-	-
Total Obligation Authority	-	-	1.602	-	1.602	-	-	-	-
Total: Secondary Distribution	1,064	100	2,311	-	2,311	477	-	-	-
Total Obligation Authority	3.000	0.510	4.869	-	4.869	1.002	-	-	-

Justification:

FY 2025 Base procurement dollars in the amount of \$4.869 million supports the procurement of 2,311 Launched Electronic Stun Devices (LESDs). Funding also supports Fielding and New Equipment Training (NET).

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles		P-1 Line Item Number / Title: 0418GN0003 / PERSONAL DEFENSE WEAPON (ROLL)
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles	P-1 Line Item Number / Title: 2472G13000 / M240 Medium Machine Gun (7.62mm)
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0604601A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	1,238	476	19	-	-	-	-	-	-	-	-	1,733
Gross/Weapon System Cost (<i>\$ in Millions</i>)	841.439	12.801	0.425	0.003	-	0.003	0.002	0.003	-	-	-	854.673
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	841.439	12.801	0.425	0.003	-	0.003	0.002	0.003	-	-	-	854.673
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	841.439	12.801	0.425	0.003	-	0.003	0.002	0.003	-	-	-	854.673

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	679.676	26.893	22.368	-	-	-	-	-	-	-	-	493.175

Description:

The M240 Medium Machine Gun (7.62mm) program supports the Army Modernization priorities (Build a More Lethal Force) through enhancement of Joint Lethality in contested environments by minimizing and eliminating erosion of close combat capability relative to peer competitors in complex terrain as outlined in the National Defense Strategy (NDS). The M240 series machine guns are available in different configurations for various applications. The M240B Machine Gun is a ground version of the original M240 Machine Gun, 7.62MM Medium Machine Gun class weapon, designed as a coaxial/pintle-mounted weapon for tanks and light armored vehicles. The M240B also includes: a flash suppressor, front sight, carrying handle, buttstock, pistol grip, bipod, heat shield and rear sight assembly. The M240B Machine Gun may also be tripod-mounted and used in conjunction with a traversing and elevating mechanism and mount pintle. The M240H is a variant of this same family of Machine Guns and is employed as the self defensive armament subsystem for the UH-60 BLACK HAWK and CH-47 Chinook Helicopters. The M240H uses the same receiver and barrel as the M240B but has a spade grip trigger assembly. It also has a unique mounting interface and pintle to properly interface with the helicopter platform. The lighter M240L replaces the M240B in Special Forces/Rangers, Light Infantry and Airborne units. The M240L significantly reduces the weight of the current M240B, by approximately 6 pounds, while maintaining the same level of reliability. The weight reduction is accomplished through the use of lightweight materials and innovative manufacturing techniques.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	476	16	-	-	-	-	-	-	-
	Total Obligation Authority	12.801	0.333	0.003	-	0.003	0.002	0.003	-	-
ANG	Quantity	-	3	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.092	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	476	19	-	-	-	-	-	-	-
	Total Obligation Authority	12.801	0.425	0.003	-	0.003	0.002	0.003	-	-

Justification:

FY 2025 Base procurement dollars in the amount of \$0.003 million supports the fielding of previous years purchase of 19 M240L Lightweight Medium Machine Guns.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles		P-1 Line Item Number / Title: 2472G13000 / M240 Medium Machine Gun (7.62mm)
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0604601A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>The FY 2023 actuals for base include \$2.301 million emergency supplemental funding to support the procurement of replacement weapons transferred to Ukraine in support of the international effort to counter Russian aggression.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L.110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles	P-1 Line Item Number / Title: 3736G13101 / MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON SYSTEM
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0604601A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	544	391	-	-	-	-	-	-	-	-	-	935
Gross/Weapon System Cost (<i>\$ in Millions</i>)	119.840	26.627	-	-	-	-	-	-	-	-	-	146.467
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	119.840	26.627	-	-	-	-	-	-	-	-	-	146.467
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	119.840	26.627	-	-	-	-	-	-	-	-	-	146.467

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	220.294	68.100	-	-	-	-	-	-	-	-	-	156.649

Description:

This program supports the Army Modernization priorities (Build a More Lethal Force) through enhancement of Soldier Lethality in contested environments. The Multi-Role Anti-Armor/Anti-Personnel Weapon System (MAAWS) or, M3/M3E1 Carl Gustaf MAAWS is a man-portable shoulder-fired, 84mm reusable recoilless rifle/launcher weapon system with an effective firing range of up to 1300 meters based on ammunition used. It can be fired by one man from the standing, kneeling, sitting or prone positions and supports full and sub caliber training systems. The M3/M3E1 MAAWS is capable of engaging, neutralizing and destroying lightly armored vehicles, soft skinned vehicles, personnel in the open or defilade, and field fortifications in both open urban and rural operational environments. The M3/M3E1 MAAWS is also capable of marking threat targets with smoke for supporting weapons, obscuring threat weapons and illuminating threat targets.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	279	-	-	-	-	-	-	-
	Total Obligation Authority	19.000	-	-	-	-	-	-	-
ANG	Quantity	112	-	-	-	-	-	-	-
	Total Obligation Authority	7.627	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	391	-	-	-	-	-	-	-
	Total Obligation Authority	26.627	-	-	-	-	-	-	-

Justification:

There is no FY 2025 budget request for this funding line.

The M3/M3E1 is a man-portable shoulder-fired, 84mm reusable recoilless rifle/launcher weapon system capable of engaging, neutralizing and destroying lightly armored vehicles, soft skinned vehicles, personnel in the open or defilade, and field fortifications in both open urban and rural operational environments.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles		P-1 Line Item Number / Title: 3736G13101 / MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON SYSTEM
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0604601A
Line Item MDAP/MAIS Code: N/A		
In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.		
Army Acquisition Objective (AAO): 2,460		

LI 3736G13101 - MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL
WEA...
Army

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles	P-1 Line Item Number / Title: 5000GB2000 / Machine Gun, Cal .50 M2 Roll
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	424	-	-	-	-	-	-	-	-	424
Gross/Weapon System Cost (<i>\$ in Millions</i>)	417.874	-	3.420	0.003	-	0.003	0.004	0.004	-	-	-	421.305
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	417.874	-	3.420	0.003	-	0.003	0.004	0.004	-	-	-	421.305
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	417.874	-	3.420	0.003	-	0.003	0.004	0.004	-	-	-	421.305

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	8.066	-	-	-	-	-	-	-	-	993.644

Description:

The M2A1 .50 Caliber Machine Gun is an automatic, belt-fed, recoil-operated, and air-cooled crew-served weapon. It mounts on the M205 tripod and on most vehicles, and serves as an anti-personnel and anti-aircraft weapon. It is highly effective against light armored vehicles, low-and slow-flying aircraft, and small boats. The M2A1 provides automatic weapon suppressive fire for offensive and defensive purposes. It is capable of single-shot and automatic fire. The M2A1 provides enhancements to allow the Soldier to quickly change barrels without the need to reset the headspace and timing while also reducing the visible muzzle flash.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	270	-	-	-	-	-	-	-
	Total Obligation Authority	-	2.061	0.003	-	0.003	0.004	0.004	-	-
ANG	Quantity	-	98	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.859	-	-	-	-	-	-	-
AR	Quantity	-	56	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.500	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	424	-	-	-	-	-	-	-
	Total Obligation Authority	-	3.420	0.003	-	0.003	0.004	0.004	-	-

Justification:

FY 2025 Base procurement dollars in the amount of \$0.003 million supports the transportation of previously procured M2A1 weapons.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles		P-1 Line Item Number / Title: 5000GB2000 / Machine Gun, Cal .50 M2 Roll
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles	P-1 Line Item Number / Title: 6580G02200 / Mortar Systems
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	224	6	6	6	-	6	10	9	9	9	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	529.049	21.946	8.013	8.353	-	8.353	14.229	13.892	13.903	14.044	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	529.049	21.946	8.013	8.353	-	8.353	14.229	13.892	13.903	14.044	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	529.049	21.946	8.013	8.353	-	8.353	14.229	13.892	13.903	14.044	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	2,361.826	3,657.667	1,335.500	1,392.167	-	1,392.167	1,422.900	1,543.556	1,544.778	1,560.444	Continuing	Continuing

Description:

Mortar Systems includes the production of 60mm Lightweight M224A1, 81mm Lightweight M252A1, and 120mm M120A1/M121 mortar weapon systems; including subsystems components M326 Mortar Stowage Kit (MSK), M1101 and M1102 trailers and associated supporting subsystems, Basic Issue Items (BI), Additional Authorized List (AAL) items and tool kits. These mortar weapon systems and associated equipment and subsystem components support the mounted and dismounted vehicle platforms in the Armor Brigade Combat Teams (ABCTs), Stryker Brigade Combat Teams (SBCTs), and Infantry Brigade Combat Teams (IBCTs). The Dismounted 120mm (M120A1) system's Mortar Stowage Kit (MSK) subsystems assembly enables rapid emplacement and displacement of the M120A1 from the M1101 and M1102 Trailers or IBCT platforms. The 60mm, 81mm and 120mm mortar weapon systems and components fulfill current and future Army Acquisition Objective (AAO) requirements, Operational Need Statement (ONS) requirements, increase of Army reorganization and Army stand up unit requirements. The M120A1 will also be mounted or integrated on the Army's current and future vehicle and trailer systems.

Overseas Operations Costs (OOC) funds this requirement in the amount of \$3,509 thousand for FY 2025 Budget Estimate. Overseas Operations Costs (OOC) are those financed with former Overseas Contingency Operations (OCO) funding.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	6	6	6	-	6	10	9	9
	Total Obligation Authority	21.946	8.013	8.353	-	8.353	14.229	13.892	13.903
Total: Secondary Distribution	Quantity	6	6	6	-	6	10	9	9
	Total Obligation Authority	21.946	8.013	8.353	-	8.353	14.229	13.892	13.903

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles **P-1 Line Item Number / Title:** 6580G02200 / Mortar Systems

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	G02202 / Mtr Wpn Sys	P-5a	A		224 / 529.049	6 / 21.946	6 / 8.013	6 / 8.353	- / -	6 / 8.353
P-40	Total Gross/Weapon System Cost				224 / 529.049	6 / 21.946	6 / 8.013	6 / 8.353	- / -	6 / 8.353

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2025 funding total includes \$4.844 million for Base and \$3.509 million for Enduring Costs in the Base Budget.

FY 2025 Base procurement dollars in the amount of \$4.844 million will support the procurement of three (3) each M121 120mm mortar weapon systems, M298 barrels, subsystems, and support equipment such as mortar weapon system kits, Modified Work Order (MWO) kits and Basic Issue Item (BI) kits, Engineering Change Proposals (ECPs), Technical Data Packages (TDPs), technical issues and obsolescence related to weapon system safety, and the procurement of mortar weapon system kits for special force requirements and modernized mounted and dismounted platforms in the Armor Brigade Combat Teams (ABCTs) to support Armor Multi Purpose Vehicle (AMPV) requirements. Funding is essential to fill shortages of 120mm mortar weapon systems resulting from Army reorganization of ABCTs from two Battalions per Brigade to three Battalions per Brigade and increase in Army Acquisition Objective (AAO) for new stand up units.

FY 2025 Base procurement dollars in the amount of \$3.509 million procures three (3) each M121 120mm mortar weapon systems in support of the European Deterrence Initiative (EDI).

FY 2025 quantity totals six (6) each full systems.

The FY 2023 actuals for base include \$13.430 million emergency supplemental funding to support the procurement of replacement weapons transferred to Ukraine in support of the international effort to counter Russian aggression.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L.110-181) this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Overseas Operations Costs (OOC) funds this requirement in the amount of \$3,509 thousand for FY 2025 Budget Estimate. Overseas Operations Costs (OOC) are those financed with former Overseas Contingency Operations (OCO) funding.

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Exhibit P-5, Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10	P-1 Line Item Number / Title: 6580G02200 / Mortar Systems	Item Number / Title [DODIC]: G02202 / Mtr Wpn Sys
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	224	6	6	6	-	6
Gross/Weapon System Cost (\$ in Millions)	529.049	21.946	8.013	8.353	-	8.353
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	529.049	21.946	8.013	8.353	-	8.353
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	529.049	21.946	8.013	8.353	-	8.353

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	2,361.826	3,657.667	1,335.500	1,392.167	-	1,392.167

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
120mm (M121) Mortar System ^(†)	141.577	54	7.645	150.000	6	0.900	150.000	6	0.900	150.000	6	0.900	-	-	-	150.000	6	0.900
120mm (M120A1) Mortar System	260.000	62	16.120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120mm Cannon Tubes ^(†)	41.269	430	17.746	60.600	28	1.697	60.600	10	0.606	60.600	4	0.242	-	-	-	60.600	4	0.242
120mm Mortar System	59.709	344	20.540	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M326 Mortar Stowage Kit	102.712	114	11.709	220.572	45	9.926	-	-	-	-	-	-	-	-	-	-	-	-
120mm Mortar Component	18.371	306	5.621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Light Tactical Trailer	10.000	38	0.380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
81mm Mortar System	16.371	326	5.337	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
81mm Cannon Tubes	28.950	326	9.438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
81mm Mortar Component	47.528	326	15.494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>110.030</i>	<i>-</i>	<i>-</i>	<i>12.523</i>	<i>-</i>	<i>-</i>	<i>1.506</i>	<i>-</i>	<i>-</i>	<i>1.142</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>1.142</i>
<i>Subtotal: Hardware Cost</i>	<i>-</i>	<i>-</i>	<i>110.030</i>	<i>-</i>	<i>-</i>	<i>12.523</i>	<i>-</i>	<i>-</i>	<i>1.506</i>	<i>-</i>	<i>-</i>	<i>1.142</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>1.142</i>
Logistics Cost																		
Recurring Cost																		
Government ILS	-	-	2.978	-	-	0.560	-	-	0.565	-	-	0.575	-	-	-	-	-	0.575
<i>Subtotal: Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>2.978</i>	<i>-</i>	<i>-</i>	<i>0.560</i>	<i>-</i>	<i>-</i>	<i>0.565</i>	<i>-</i>	<i>-</i>	<i>0.575</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>0.575</i>

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Exhibit P-5, Cost Analysis: PB 2025 Army												Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10						P-1 Line Item Number / Title: 6580G02200 / Mortar Systems						Item Number / Title [DODIC]: G02202 / Mtr Wpn Sys					
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:							

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Logistics Cost</i>	-	-	2.978	-	-	0.560	-	-	0.565	-	-	0.575	-	-	-	-	-	0.575
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	4.198	-	-	0.400	-	-	0.400	-	-	0.400	-	-	-	-	-	0.400
First Article Test	-	-	4.420	-	-	0.154	-	-	0.165	-	-	0.176	-	-	-	-	-	0.176
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	8.618	-	-	0.554	-	-	0.565	-	-	0.576	-	-	-	-	-	0.576
Support - Fielding Cost																		
Fielding	-	-	4.856	-	-	1.136	-	-	1.150	-	-	1.165	-	-	-	-	-	1.165
<i>Subtotal: Support - Fielding Cost</i>	-	-	4.856	-	-	1.136	-	-	1.150	-	-	1.165	-	-	-	-	-	1.165
Support - Production Engineering Cost																		
Production Engineering	-	-	393.478	-	-	6.139	-	-	3.127	-	-	3.750	-	-	-	-	-	3.750
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	393.478	-	-	6.139	-	-	3.127	-	-	3.750	-	-	-	-	-	3.750
Support - Staging and Transportation Cost																		
Staging and Transportation	-	-	5.839	-	-	0.305	-	-	0.350	-	-	0.375	-	-	-	-	-	0.375
<i>Subtotal: Support - Staging and Transportation Cost</i>	-	-	5.839	-	-	0.305	-	-	0.350	-	-	0.375	-	-	-	-	-	0.375
Support - Training Cost																		
Services	-	-	3.250	-	-	0.730	-	-	0.750	-	-	0.770	-	-	-	-	-	0.770
<i>Subtotal: Support - Training Cost</i>	-	-	3.250	-	-	0.730	-	-	0.750	-	-	0.770	-	-	-	-	-	0.770
Gross/Weapon System Cost	2,361.826	224	529.049	3,657.667	6	21.946	1,335.500	6	8.013	1,392.167	6	8.353	-	-	-	1,392.167	6	8.353

Remarks:
FY 2025 quantity totals six (6) each full systems.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Army	Quantity	6	6	6	-	6
	Total Obligation Authority	21.946	8.013	8.353	-	8.353
Total:	Quantity	6	6	6	-	6
Secondary Distribution	Total Obligation Authority	21.946	8.013	8.353	-	8.353

(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10	P-1 Line Item Number / Title: 6580G02200 / Mortar Systems	Item Number / Title [DODIC]: G02202 / Mtr Wpn Sys
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
120mm (M121) Mortar System		2023	EFW Inc / Fort Worth, TX	Option / FFP	Picatinny Arsenal, NJ	Apr 2023	Aug 2025	6	150.000	Y		
120mm (M121) Mortar System		2024	EFW Inc / Fort Worth, TX	Option / FFP	Picatinny Arsenal, NJ	Mar 2024	Jul 2026	6	150.000	Y		
120mm (M121) Mortar System		2025	EFW Inc / Fort Worth, TX	Option / FFP	Picatinny Arsenal, NJ	Mar 2025	Jul 2027	6	150.000	Y		
120mm Cannon Tubes		2023	EFW Inc / Fort Worth, TX	Option / FFP	Picatinny Arsenal, NJ	Apr 2023	Aug 2023	28	60.600	Y		
120mm Cannon Tubes		2024	EFW Inc / Fort Worth, TX	Option / FFP	Picatinny Arsenal, NJ	Mar 2024	Jul 2026	10	60.600	Y		
120mm Cannon Tubes		2025	EFW Inc / Fort Worth, TX	Option / FFP	Picatinny Arsenal, NJ	Mar 2025	Jul 2027	4	60.600	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles	P-1 Line Item Number / Title: 6659G08100 / LOCATION & AZIMUTH DETERMINATION SYSTEM (LADS)
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	126	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	86.251	3.174	2.543	-	2.543	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	86.251	3.174	2.543	-	2.543	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	86.251	3.174	2.543	-	2.543	-	-	-	-	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	684.532	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

The Location and Azimuth Determining System (LADS) provides a lightweight, portable, and deployable common inertial survey capability for field artillery cannon, rocket, missile, radar and mortar platforms that is not dependent on the Global Positioning System (GPS). LADS replaces the legacy Improved Position and Azimuth Determining System - GPS (IPADS-G) which is no longer supportable and facing multiple obsolescence issues. The LADS system is operable by multiple military occupational specialties (MOS) and can be integrated into multiple vehicles.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army									
Quantity	126	-	-	-	-	-	-	-	-
Total Obligation Authority	86.251	3.174	2.543	-	2.543	-	-	-	-
Total:	126	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	86.251	3.174	2.543	-	2.543	-	-	-

Justification:

FY 2025 Base procurement funds in the amount of \$2.543 million supports the production engineering support and fielding costs for Location and Azimuth Determining Systems (LADS). The Location and Azimuth Determining System (LADS) provides a lightweight, portable, and deployable common inertial survey capability for field artillery cannon, rocket, missile, radar and mortar platforms that is not dependent on the Global Positioning System (GPS). LADS provides accurate location, azimuth and direction for all field artillery systems while being reliable, intuitive to use, and more cost effective than the predecessor system while operating in GPS denied and degraded environments.

Net funding decrease of \$0.631 million from FY 2024 to FY 2025 is the result of completion of some of the LADS fielding.

The FY 2023 actuals for base include \$37.950 million emergency supplemental funding to support the procurement of replacement of systems transferred to Ukraine in support of the international effort to counter Russian aggression.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles		P-1 Line Item Number / Title: 6659G08100 / LOCATION & AZIMUTH DETERMINATION SYSTEM (LADS)
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.		

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles	P-1 Line Item Number / Title: 8181G01501 / XM320 Grenade Launcher Module (GLM)
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	282.126	11.703	14.143	17.747	-	17.747	17.909	17.930	17.905	18.084	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	282.126	11.703	14.143	17.747	-	17.747	17.909	17.930	17.905	18.084	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	282.126	11.703	14.143	17.747	-	17.747	17.909	17.930	17.905	18.084	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	131.711	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

This program supports the Army Modernization priorities (Build a More Lethal Force) through enhancement of Joint Lethality in contested environments by minimizing and eliminating erosion of close combat capability relative to peer competitors in complex terrain as outlined in the National Defense Strategy (NDS). The M320 Grenade Launcher Module (GLM) is a 40mm low-velocity grenade launching weapon system that is a direct replacement to all M203 series of grenade launchers on M16 Rifles and M4 Carbines. The M320 Grenade Launcher Module (GLM) is a modular system that mounts under the barrel of the rifle or carbine. This weapon can also be used in the stand-alone configuration. The M320 Grenade Launcher Module (GLM) has an integrated leaf sight and some improved safety features. This weapon also has a side-loading unrestricted breech that permits the firing of longer 40mm low-velocity projectiles (NATO standard and non-standard). The M320 Grenade Launcher Module (GLM) is more reliable and safer because of the use of a more modern double-action trigger/firing system. The new pistol grip design eliminates the need to use the M4 magazine as a hand grip. The latest innovations in lightweight material composites improve durability. Procurement of hand-held Laser Range Finder (LRF) and Grenadier Sighting System (GSS) are delivered as system components, one each per system. M320 Grenade Launcher Modules (GLMs) will also be fitted with an additional system components, such as a leaf sight, barrel, improved butt stock, and a XM100 40mm fuze programmer, to support the High Explosive Air Burst (HEAB) and M433E1 capability to be delivered by the new 40mm Family of Ammunition (FOA).

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	5.617	14.143	17.747	-	17.747	17.909	17.930	17.905	18.084
ANG	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	5.734	-	-	-	-	-	-	-	-
AR	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.352	-	-	-	-	-	-	-	-
Total: Secondary Distribution	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	11.703	14.143	17.747	-	17.747	17.909	17.930	17.905	18.084

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles **P-1 Line Item Number / Title:** 8181G01501 / XM320 Grenade Launcher Module (GLM)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	G01501 / XM320 Grenade Launcher Module (GLM)	P-5a	A		- / 282.126	- / 11.703	- / 14.143	- / 17.747	- / -	- / 17.747
P-40	Total Gross/Weapon System Cost				- / 282.126	- / 11.703	- / 14.143	- / 17.747	- / -	- / 17.747

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2025 Base procurement dollars in the amount of \$17.747 million supports M320 Grenade Launcher Module (GLM) system fielding efforts, procurement of Grenadier Sighting Systems (GSS), and the modification work order (MWO) for the GSS. The Grenadier Sighting Systems (GSS) provides the ability to engage targets during day or night and is capable of multiple ballistic solutions for different rounds, which can be selected by the user. The GSS also provides settings for the XM100 40mm Fuze Programmer which may be procured if available from Joint Program Executive Office (JPEO) Armaments and Ammunition after Milestone C. M320 GLM accessories / modifications may be procured to accommodate greater shock profiles associated with new ammunition if confirmed by JPEO Armaments and Ammunition.

In accordance with Section 1815 of the FY 2008 National Defense Act, (P.L.110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Grenadier Sighting System (GSS), a required component of M320 GLM, is in production and the Army Acquisition Objective (AAO) is the same as the M320's Grenade Launcher Army Acquisition Objective (AAO) of 56,319. The M320 Grenade Launcher (GLM) weapon AAO has been met.

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Exhibit P-5, Cost Analysis: PB 2025 Army											Date: March 2024								
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10					P-1 Line Item Number / Title: 8181G01501 / XM320 Grenade Launcher Module (GLM)						Item Number / Title [DODIC]: G01501 / XM320 Grenade Launcher Module (GLM)								
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total					
Procurement Quantity (Units in Each)				-		-		-		-		-		-					
Gross/Weapon System Cost (\$ in Millions)				282.126		11.703		14.143		17.747		-		17.747					
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Net Procurement (P-1) (\$ in Millions)				282.126		11.703		14.143		17.747		-		17.747					
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Total Obligation Authority (\$ in Millions)				282.126		11.703		14.143		17.747		-		17.747					
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																			
Initial Spares (\$ in Millions)				-		-		-		-		-		-		-			
Gross/Weapon System Unit Cost (\$ in Thousands)				131.711		-		-		-		-		-		-			
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																			
Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total			
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
Flyaway Cost																			
Recurring Cost																			
M320A1 Grenade Launcher (GL)	4.214	45,347	191.092	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Laser Range Finder (LRF)	0.489	46,794	22.882	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tool Set/ASL	0.499	2,669	1.332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arms Racks	1.064	3,448	3.669	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RIA Program Management Spt	-	-	0.824	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Buttstock & Leafsight	0.531	2,150	1.142	0.548	781	0.428	0.602	789	0.475	-	-	-	-	-	-	-	-	-	
Grenadier Sighting System (GSS) ^(†)	1.900	4,282	8.136	1.900	3,881	7.374	2.422	3,947	9.558	2.479	5,005	12.407	-	-	-	2.479	5,005	12.407	
<i>Subtotal: Recurring Cost</i>	-	-	229.077	-	-	7.802	-	-	10.033	-	-	12.407	-	-	-	-	-	-	12.407
<i>Subtotal: Flyaway Cost</i>	-	-	229.077	-	-	7.802	-	-	10.033	-	-	12.407	-	-	-	-	-	-	12.407
Hardware Cost																			
Recurring Cost																			
XM100 40mm Fuze Setter	0.841	1,916	1.611	0.851	1,222	1.040	0.950	1,224	1.163	0.950	2,580	2.451	-	-	-	0.950	2,580	2.451	
<i>Subtotal: Recurring Cost</i>	-	-	1.611	-	-	1.040	-	-	1.163	-	-	2.451	-	-	-	-	-	-	2.451
<i>Subtotal: Hardware Cost</i>	-	-	1.611	-	-	1.040	-	-	1.163	-	-	2.451	-	-	-	-	-	-	2.451
Package Fielding Cost																			

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Exhibit P-5, Cost Analysis: PB 2025 Army												Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10						P-1 Line Item Number / Title: 8181G01501 / XM320 Grenade Launcher Module (GLM)						Item Number / Title [DODIC]: G01501 / XM320 Grenade Launcher Module (GLM)					
ID Code (A=Service Ready, B=Not Service Ready) : A												MDAP/MAIS Code:					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Recurring Cost																		
Total Package Fielding (TPF)	-	-	5.518	-	-	0.175	-	-	0.182	-	-	0.385	-	-	-	-	-	0.385
<i>Subtotal: Recurring Cost</i>	-	-	<i>5.518</i>	-	-	<i>0.175</i>	-	-	<i>0.182</i>	-	-	<i>0.385</i>	-	-	-	-	-	<i>0.385</i>
<i>Subtotal: Package Fielding Cost</i>	-	-	<i>5.518</i>	-	-	<i>0.175</i>	-	-	<i>0.182</i>	-	-	<i>0.385</i>	-	-	-	-	-	<i>0.385</i>
Logistics Cost																		
Recurring Cost																		
Integrated Logistics Support (ILS)	-	-	2.556	-	-	0.443	-	-	0.460	-	-	0.121	-	-	-	-	-	0.121
New Equipment Training (NET)	-	-	0.761	-	-	0.139	-	-	0.145	-	-	0.303	-	-	-	-	-	0.303
<i>Subtotal: Recurring Cost</i>	-	-	<i>3.317</i>	-	-	<i>0.582</i>	-	-	<i>0.605</i>	-	-	<i>0.424</i>	-	-	-	-	-	<i>0.424</i>
<i>Subtotal: Logistics Cost</i>	-	-	<i>3.317</i>	-	-	<i>0.582</i>	-	-	<i>0.605</i>	-	-	<i>0.424</i>	-	-	-	-	-	<i>0.424</i>
Support - Acceptance Testing Cost																		
First Article Test	-	-	7.503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	<i>7.503</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Program Management Cost																		
Government Management	-	-	9.506	-	-	0.607	-	-	0.711	-	-	0.780	-	-	-	-	-	0.780
<i>Subtotal: Support - Program Management Cost</i>	-	-	<i>9.506</i>	-	-	<i>0.607</i>	-	-	<i>0.711</i>	-	-	<i>0.780</i>	-	-	-	-	-	<i>0.780</i>
Support - System Engineering Cost																		
System Engineering	-	-	19.691	-	-	1.497	-	-	1.447	-	-	1.300	-	-	-	-	-	1.300
<i>Subtotal: Support - System Engineering Cost</i>	-	-	<i>19.691</i>	-	-	<i>1.497</i>	-	-	<i>1.447</i>	-	-	<i>1.300</i>	-	-	-	-	-	<i>1.300</i>
Support - Training Cost																		
Equipment	-	-	5.903	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Training Cost</i>	-	-	<i>5.903</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	131.711	-	282.126	-	-	11.703	-	-	14.143	-	-	17.747	-	-	-	-	-	17.747

Remarks:
Ongoing contract negotiations may impact FY 2024 unit cost on the Grenadier Sighting System (GSS) due to increase material costs, inflation and supply change issues.

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10	P-1 Line Item Number / Title: 8181G01501 / XM320 Grenade Launcher Module (GLM)	Item Number / Title [DODIC]: G01501 / XM320 Grenade Launcher Module (GLM)

ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	5.617	14.143	17.747	-	17.747
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	5.734	-	-	-	-
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	0.352	-	-	-	-
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	11.703	14.143	17.747	-	17.747

(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army							Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10			P-1 Line Item Number / Title: 8181G01501 / XM320 Grenade Launcher Module (GLM)				Item Number / Title [DODIC]: G01501 / XM320 Grenade Launcher Module (GLM)				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Grenadier Sighting System (GSS)		2023	Wilcox / Portsmouth, NH	C / FFP	ACC-Picatinny, Picatinny, NJ	Dec 2022	Dec 2022	3,881	1.900	Y		
Grenadier Sighting System (GSS)		2024	Wilcox / Portsmouth, NH	C / FFP	ACC-Picatinny, Picatinny, NJ	Jun 2024	Sep 2024	3,947	2.422	Y		
Grenadier Sighting System (GSS)		2025	Wilcox / Portsmouth, NH	C / FFP	ACC-Picatinny, Picatinny, NJ	Jun 2025	Sep 2025	5,005	2.479	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles	P-1 Line Item Number / Title: 8190G01506 / Precision Sniper Rifle
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	1,022	231	165	217	-	217	177	69	219	221	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	23.882	6.436	5.248	5.910	-	5.910	4.839	1.919	5.981	6.041	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	23.882	6.436	5.248	5.910	-	5.910	4.839	1.919	5.981	6.041	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	23.882	6.436	5.248	5.910	-	5.910	4.839	1.919	5.981	6.041	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	23.368	27.861	31.806	27.235	-	27.235	27.339	27.812	27.311	27.335	Continuing	Continuing

Description:

The Precision Sniper Rifle (PSR) program supports the Army Modernization priorities (Build a More Lethal Force) through enhancement of Joint Lethality in contested environments by minimizing and eliminating erosion of close combat capability relative to peer competitors in complex terrain as outlined in the National Defense Strategy (NDS). Precision Sniper Rifle (PSR) will become the primary anti-personnel Sniper Weapon System (SWS) in all Army Sniper Teams. On 31 March 2021, the U.S. Army awarded contract W15QKN-21-D-0028 to Barrett Firearms MFG, Inc. The contract is a 5-year Firm Fixed Price (FFP) Indefinite Delivery/Indefinite Quantity (IDIQ) contract for production and delivery of the MK22 Precision Sniper Rifle (Multi-role Adaptive Design (MRAD) commercial variant) to support an Army Acquisition Objective (AAO) of 2,800 systems. It is a Non-Developmental Item (NDI) that is a multi-caliber, bolt-action sniper rifle, which is effective against personnel and materiel targets at extreme ranges. The Precision Sniper Rifle (PSR) provides increased probability of hit over the current M2010 Enhanced Sniper Rifle (ESR) configuration at distances beyond twelve-hundred (1200) meters, which enhances the sniper role in supporting combat operations and improves sniper survivability. The Precision Sniper Rifle (PSR) provides extended effective range by three-hundred (300) meters over M2010 Enhanced Sniper Rifle (ESR) out to fifteen-hundred (1500) meters, which increases stand-off distances ensuring overmatch against enemy counter sniper engagements and increases sniper capabilities. The Precision Sniper Rifle (PSR) also replaces the anti-materiel M107 semi-automatic .50 caliber sniper rifle, offering improved accuracy in a lighter weight package. The Precision Sniper Rifle (PSR) includes a sound suppressor and direct view optic with fire control capabilities. This allows snipers, when supplemented with a clip-on image intensifier or thermal sensor system, to effectively engage enemy snipers, as well as crew served and indirect fire weapons virtually undetected in any light condition.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	93	99	89	-	89	177	69	219	221
	Total Obligation Authority	2.591	3.124	2.428	-	2.428	4.839	1.919	5.981	6.041
ANG	Quantity	138	64	128	-	128	-	-	-	-
	Total Obligation Authority	3.845	2.061	3.482	-	3.482	-	-	-	-
AR	Quantity	-	2	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.063	-	-	-	-	-	-	-
Total:	Quantity	231	165	217	-	217	177	69	219	221

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles	P-1 Line Item Number / Title: 8190G01506 / Precision Sniper Rifle
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Secondary Distribution	Total Obligation Authority	6.436	5.248	5.910	-	5.910	4.839	1.919	5.981	6.041

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles	P-1 Line Item Number / Title: 8190G01506 / Precision Sniper Rifle
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	G01506 / Precision Sniper Rifle	P-5a	A		1,022 / 23.882	231 / 6.436	165 / 5.248	217 / 5.910	- / -	217 / 5.910
P-40	Total Gross/Weapon System Cost				1,022 / 23.882	231 / 6.436	165 / 5.248	217 / 5.910	- / -	217 / 5.910

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2025 Base procurement dollars in the amount of \$5.910 million support the Active Army through procurement of 217 Precision Sniper Rifle (PSR) Systems to include but not limited to direct view optics with fire control capabilities, optical augmentation devices, suppressors, initial quantities of spare parts, and other components of end items / basic issue items to include but not limited to gage kits. The level of effort remains consistent FY 2022 - FY 2026 to support fielding and engineering support. Currently, the Army has placed five delivery orders for a total of 1,750 complete weapon systems (e.g. weapon and direct view optic). In addition, the Army has assumed management of another 833 Precision Sniper Rifle (PSR) weapons from the U.S. Army Special Operations Command (USASOC). These 833 weapons are without a direct view optic therefore, each require the optic be purchased and integrated with the weapon to complete the MK22 PSR system. The integration of the direct view optic will be performed at the Operator Level. The Army has procured 603 of the 833 optics required. The Army is planning to procure 217 complete weapon systems and 230 individual direct view optics FY 2025 to meet the AAO. A quantity of 485 gage kits is required to support inspection & maintenance tasks. To date, a quantity of 485 of the 485 gage kits have been procured; however, 100 of the 485 was procured by Special Operations Command (SOCOM).

Army Acquisition Objective (AAO): 2,800

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10	P-1 Line Item Number / Title: 8190G01506 / Precision Sniper Rifle	Item Number / Title [DODIC]: G01506 / Precision Sniper Rifle

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	1,022	231	165	217	-	217
Gross/Weapon System Cost (\$ in Millions)	23.882	6.436	5.248	5.910	-	5.910
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	23.882	6.436	5.248	5.910	-	5.910
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	23.882	6.436	5.248	5.910	-	5.910

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	23.368	27.861	31.806	27.235	-	27.235

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Precision Sniper Rifle ^(f)	10.359	1,348	13.964	10.403	231	2.403	10.588	165	1.747	10.779	217	2.339	-	-	-	10.779	217	2.339
Program Management	-	-	0.671	-	-	0.458	-	-	0.418	-	-	0.437	-	-	-	-	-	0.437
Engineering Support	-	-	1.746	-	-	0.496	-	-	0.478	-	-	0.326	-	-	-	-	-	0.326
Integrated Logistics Support (ILS)	-	-	0.386	-	-	0.068	-	-	0.130	-	-	0.074	-	-	-	-	-	0.074
Total Package Fielding (TPF)	-	-	0.152	-	-	0.139	-	-	0.150	-	-	0.153	-	-	-	-	-	0.153
New Equipment Training (NET)	-	-	0.246	-	-	0.117	-	-	0.130	-	-	0.128	-	-	-	-	-	0.128
ASR Conversions	4.372	78	0.341	5.022	279	1.401	5.271	240	1.265	5.535	228	1.262	-	-	-	5.535	228	1.262
Gage Kit	1.882	204	0.384	2.500	106	0.265	2.280	50	0.114	2.370	27	0.064	-	-	-	2.370	27	0.064
Day Optical Sighting System	4.271	1,403	5.992	4.714	231	1.089	4.945	165	0.816	5.194	217	1.127	-	-	-	5.194	217	1.127
<i>Subtotal: Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>23.882</i>	<i>-</i>	<i>-</i>	<i>6.436</i>	<i>-</i>	<i>-</i>	<i>5.248</i>	<i>-</i>	<i>-</i>	<i>5.910</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>5.910</i>
<i>Subtotal: Flyaway Cost</i>	<i>-</i>	<i>-</i>	23.882	<i>-</i>	<i>-</i>	6.436	<i>-</i>	<i>-</i>	5.248	<i>-</i>	<i>-</i>	5.910	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	5.910
Gross/Weapon System Cost	23.368	1,022	23.882	27.861	231	6.436	31.806	165	5.248	27.235	217	5.910	-	-	-	27.235	217	5.910

Remarks:

No P-21 form is required for the Precision Sniper Rifle (PSR), as it is a Non-Developmental Item (NDI) Commercial Off-The-Shelf (COTS) solution. Weapon System Unit Cost (U/C) reflects all system components to include the rifle scope, suppressor, optical augmentation device and all other Components Of the End Item (COEI), Basic Issue Items (BII).

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10	P-1 Line Item Number / Title: 8190G01506 / Precision Sniper Rifle	Item Number / Title [DODIC]: G01506 / Precision Sniper Rifle
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

FY 2022 - 2025 procurement quantities include upgrades to previously fielded Special Operations Command (SOCOM) MK 22s in to the Precision Sniper Rifles for U.S. Army Special Operation Command (USASOC) units included in the Army Acquisition Objective (AAO).

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Army	Quantity	93	99	89	-	89
	Total Obligation Authority	2.591	3.124	2.428	-	2.428
ANG	Quantity	138	64	128	-	128
	Total Obligation Authority	3.845	2.061	3.482	-	3.482
AR	Quantity	-	2	-	-	-
	Total Obligation Authority	-	0.063	-	-	-
Total: Secondary Distribution	Quantity	231	165	217	-	217
	Total Obligation Authority	6.436	5.248	5.910	-	5.910

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10	P-1 Line Item Number / Title: 8190G01506 / Precision Sniper Rifle	Item Number / Title [DODIC]: G01506 / Precision Sniper Rifle
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Precision Sniper Rifle		2023	Barrett Firearms / Christiana, TN	SS / FFP	ACC-NJ Picatinny	Jan 2023	Apr 2023	231	10.403	Y		
Precision Sniper Rifle		2024	Barrett Firearms / Christiana, TN	SS / FFP	ACC-NJ Picatinny	Mar 2024	Jul 2024	165	10.588	Y		
Precision Sniper Rifle		2025	Barrett Firearms / Christiana, TN	SS / FFP	ACC-NJ Picatinny	Jan 2025	Apr 2025	217	10.779	Y		

Remarks:
Some system sub-components (e.g. Direct View Optics and Gage Kits) may be procured through the Defense Logistics Agency (DLA) Tailored Logistics Support contract where practical and cost effective.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles	P-1 Line Item Number / Title: 8201G13501 / Carbine
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	285.218	-	0.571	0.003	-	0.003	0.003	0.003	-	-	-	285.798
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	285.218	-	0.571	0.003	-	0.003	0.003	0.003	-	-	-	285.798
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	285.218	-	0.571	0.003	-	0.003	0.003	0.003	-	-	-	285.798

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Carbine program supports the National Defense Strategy (NDS) of "Build a More Lethal Force" through enhancement of Joint Lethality in contested environments by minimizing and eliminating erosion of close combat capability relative to peer competitors in complex terrain.

This funding line is used to procure M4A1 Carbines for the Army and 30 round Enhanced Performance Magazine (EPM). The M4A1 Carbines are 5.56mm, gas operated, air-cooled weapons designed for lightness, speed, mobility and firepower. The M4A1 Carbine is a more compact weapon than the M16 rifle series since it uses a shorter barrel and collapsible stock. When compared to the M4 Carbine, the M4A1 Carbine has a (safe/semi-automatic/full automatic) trigger group, with a heavier barrel thickness to support increased sustained rates of fire, and an ambidextrous fire control selector. The M4A1 Carbine also includes a back-up iron sight and the adapter rail system to attach accessories and components.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.049	0.003	-	0.003	0.003	0.003	-
ANG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.261	-	-	-	-	-	-
AR	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.261	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.571	0.003	-	0.003	0.003	0.003	-

Justification:

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles		P-1 Line Item Number / Title: 8201G13501 / Carbine
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>FY 2025 Base procurement dollars in the amount of \$0.003 million supports continuous manufacturing and production process improvements leading to increased durability and maintainability of the weapon system.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>M4A1's Army Acquisition Objective (AAO): 845,563</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles	P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon
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ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0604601A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	10,460	16,513	33,473	39,836	-	39,836	19,988	19,816	21,664	21,593	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	132.909	166.623	292.850	367.292	-	367.292	192.639	193.843	219.354	221.658	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	132.909	166.623	292.850	367.292	-	367.292	192.639	193.843	219.354	221.658	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	132.909	166.623	292.850	367.292	-	367.292	192.639	193.843	219.354	221.658	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	12.706	10.090	8.749	9.220	-	9.220	9.638	9.782	10.125	10.265	Continuing	Continuing

Description:

This funding line is directly aligned to the Army Soldier Lethality Modernization Priority.

This program also supports the National Defense Strategy (NDS) of "Build a More Lethal Force" through enhancement of Joint Lethality in contested environments by means of elimination and/or minimization of close combat capability erosion; specifically, relative to peer competitors, in complex terrain.

Next Generation Squad Weapons (NGSW) is a family of products that includes the M7 Rifle and M250 Automatic Rifle that integrate with the M157 Fire Control and common 6.8mm ammunition. The M7 Rifle and M250 Automatic Rifle are the planned replacements for select weapons system for individual soldiers, squads, and/or platoons, capable of defeating protected and unprotected threats. The M7 Rifle and M250 Automatic Rifle ensure increased lethality against a broad spectrum of targets beyond current/legacy weapon capabilities; increased range, accuracy, and probability of hit; reduced engagement time; suppressed flash/sound signature; and improved controllability and mobility.

The M157 Fire Control is an advanced individual fire control device that supports the M7 Rifle, M250 Automatic Rifle and other individual squad weapon systems. The M157 Fire Control increases the probability of hit and decreases engagement time through a variable-powered direct view optic with integrated range finder, ballistic calculator, and digital display capable of providing an adjusted aim point. The M157 Fire Control utilizes open architecture to deliver to an initial augmented core capability followed by increasing increments of capability over time as technology matures and evolves.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	9,561	21,619	25,512	-	25,512	6,783	4,697	7,222	21,593
	Total Obligation Authority	93.781	191.555	233.858	-	233.858	70.396	72.426	75.100	221.658
ANG	Quantity	6,952	11,854	14,324	-	14,324	13,205	15,119	14,442	-
	Total Obligation Authority	72.842	101.295	133.434	-	133.434	122.243	121.417	144.254	-
Total:	Quantity	16,513	33,473	39,836	-	39,836	19,988	19,816	21,664	21,593
Secondary Distribution	Total Obligation Authority	166.623	292.850	367.292	-	367.292	192.639	193.843	219.354	221.658

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles **P-1 Line Item Number / Title:** 8205G14510 / Next Generation Squad Weapon

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0604601A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	G14511 / Next Generation Squad Weapon-Automatic Rifle	P-5a, P-21	A		251 / 3.088	711 / 10.161	1,419 / 18.665	1,772 / 23.133	- / -	1,772 / 23.133
P-5	G14512 / NEXT GENERATION SQUAD WEAPON-RIFLE	P-5a, P-21	A		2,501 / 14.253	8,336 / 45.075	17,122 / 87.426	18,019 / 91.447	- / -	18,019 / 91.447
P-5	G14513 / Next Generation Squad Weapon - Fire Control	P-5a, P-21	A		7,708 / 115.568	7,466 / 111.387	14,932 / 186.759	20,045 / 252.712	- / -	20,045 / 252.712
P-40	Total Gross/Weapon System Cost				10,460 / 132.909	16,513 / 166.623	33,473 / 292.850	39,836 / 367.292	- / -	39,836 / 367.292

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2025 Base procurement dollars in the amount of \$367.292 million supports the following:

FY 2025 Base procurement dollars in the amount of \$23.133 million supports the procurement and fielding of 1,772 M250 Automatic Rifle (NGSW-AR) which is the planned replacement for the M249 Squad Automatic Weapon (SAW) within the Close Combat Force.

FY 2025 Base procurement dollars in the amount of \$91.447 million supports the procurement and fielding of 18,019 M7-Rifle (NGSW-R) which is the planned replacement for the M4A1 Carbine within the Close Combat Force.

The M7 Rifle and M250 Automatic Rifle ensure increased lethality against a broad spectrum of targets beyond current/legacy weapons capabilities; increased range, accuracy, and probability of hit; reduced engagement time; suppressed flash/sound signature; and improved controllability and mobility. The M7 Rifle, M250 Automatic Rifle, M157 Fire Control and 6.8mm Common Cartridge are fielded concurrently to provide a squad level capability improvement to maintain overmatch against near peer enemy threats.

FY 2025 Base procurement dollars in the amount of \$252.712 million supports the procurement and fielding of 20,045 M157 Fire Control systems. The M157 Fire Control system will have both close quarter and extended range capabilities and is integrated with the M7 Rifle and the M250 Automatic Rifle. The M157 Fire Control, M250 Auto Rifle and 6.8mm Common Cartridge are fielded concurrently to provide a squad level capability improvement to maintain overmatch against near peer enemy threats.

This funding line is directly aligned to the Army Soldier Lethality Modernization Priority.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Army Acquisition Objectives (AAOs):
 M7 Rifle (NGSW-R): 111,428
 M250 Automatic Rifle (NGSW-AR): 13,334
 M157 Fire Control (NGSW-FC): 124,749

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10		P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon
		Item Number / Title [DODIC]: G14511 / Next Generation Squad Weapon-Automatic Rifle

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)	251	711	1,419	1,772	-	1,772
Gross/Weapon System Cost (\$ in Millions)	3.088	10.161	18.665	23.133	-	23.133
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	3.088	10.161	18.665	23.133	-	23.133
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3.088	10.161	18.665	23.133	-	23.133

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	12.303	14.291	13.154	13.055	-	13.055

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Transportation	-	-	-	-	-	0.015	-	-	0.020	-	-	0.060	-	-	-	-	-	0.060
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.015	-	-	0.020	-	-	0.060	-	-	-	-	-	0.060
Non Recurring Cost																		
NGSW First Article Test	-	-	0.338	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	0.338	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	0.338	-	-	0.015	-	-	0.020	-	-	0.060	-	-	-	-	-	0.060
Hardware Cost																		
Recurring Cost																		
Next Generation Squad Weapon - Automatic Rifle ^(†)	10.869	251	2.728	11.935	711	8.486	11.337	1,419	16.087	11.259	1,772	19.951	-	-	-	11.259	1,772	19.951
Initial Spares	-	-	0.019	-	-	-	-	-	0.858	-	-	1.548	-	-	-	-	-	1.548
<i>Subtotal: Recurring Cost</i>	-	-	2.747	-	-	8.486	-	-	16.945	-	-	21.499	-	-	-	-	-	21.499
<i>Subtotal: Hardware Cost</i>	-	-	2.747	-	-	8.486	-	-	16.945	-	-	21.499	-	-	-	-	-	21.499
Package Fielding Cost																		
Recurring Cost																		
Total Package Fielding	-	-	-	-	-	0.336	-	-	0.270	-	-	0.285	-	-	-	-	-	0.285
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.336	-	-	0.270	-	-	0.285	-	-	-	-	-	0.285

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10		P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:
Item Number / Title [DODIC]: G14511 / Next Generation Squad Weapon-Automatic Rifle		

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Package Fielding Cost</i>	-	-	-	-	-	0.336	-	-	0.270	-	-	0.285	-	-	-	-	-	0.285
Logistics Cost																		
Recurring Cost																		
Integrated Logistic Support	-	-	-	-	-	0.063	-	-	0.150	-	-	0.200	-	-	-	-	-	0.200
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.063	-	-	0.150	-	-	0.200	-	-	-	-	-	0.200
<i>Subtotal: Logistics Cost</i>	-	-	-	-	-	0.063	-	-	0.150	-	-	0.200	-	-	-	-	-	0.200
Support - Data Cost																		
Technical Publications	-	-	-	-	-	0.248	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Data Cost</i>	-	-	-	-	-	0.248	-	-	-	-	-	-	-	-	-	-	-	-
Support - New Equipment Training (NET) Cost																		
Equipment	-	-	-	-	-	0.063	-	-	0.248	-	-	0.255	-	-	-	-	-	0.255
<i>Subtotal: Support - New Equipment Training (NET) Cost</i>	-	-	-	-	-	0.063	-	-	0.248	-	-	0.255	-	-	-	-	-	0.255
Support - Program Management Cost																		
Government Management	-	-	0.003	-	-	0.428	-	-	0.432	-	-	0.534	-	-	-	-	-	0.534
<i>Subtotal: Support - Program Management Cost</i>	-	-	0.003	-	-	0.428	-	-	0.432	-	-	0.534	-	-	-	-	-	0.534
Support - System Engineering Cost																		
System Engineering	-	-	-	-	-	0.522	-	-	0.600	-	-	0.300	-	-	-	-	-	0.300
<i>Subtotal: Support - System Engineering Cost</i>	-	-	-	-	-	0.522	-	-	0.600	-	-	0.300	-	-	-	-	-	0.300
Gross/Weapon System Cost	12.303	251	3.088	14.291	711	10.161	13.154	1,419	18.665	13.055	1,772	23.133	-	-	-	13.055	1,772	23.133

Remarks:
 Unit costs are firm fixed price contract for all years and ordering periods and are procured in different quantity ranges and ordering periods.
 FY 2025 funding increase ramps up production capacity to support the Army's planned fielding schedule.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Army	Quantity	401	768	1,062	-	1,062

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10	P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon	Item Number / Title [DODIC]: G14511 / Next Generation Squad Weapon-Automatic Rifle

ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
	Total Obligation Authority	5.888	12.209	16.133	-	16.133
ANG	Quantity	310	651	710	-	710
	Total Obligation Authority	4.273	6.456	7.000	-	7.000
Total:	Quantity	711	1,419	1,772	-	1,772
Secondary Distribution	Total Obligation Authority	10.161	18.665	23.133	-	23.133

(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army							Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10			P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon				Item Number / Title [DODIC]: G14511 / Next Generation Squad Weapon-Automatic Rifle					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Next Generation Squad Weapon - Automatic Rifle ^(†)		2023	SIG Sauer Inc / Newington NH 03801-6801	C / FFP	ACC-NJ, Picatinny Arsenal, NJ	Aug 2023	Feb 2024	711	11.935	N		
Next Generation Squad Weapon - Automatic Rifle ^(†)		2024	SIG Sauer Inc / Newington NH 03801-6801	C / FFP	ACC-NJ, Picatinny Arsenal, NJ	Jan 2024	Aug 2024	1,419	11.337	N		
Next Generation Squad Weapon - Automatic Rifle ^(†)		2025	SIG Sauer Inc / Newington NH 03801-6801	C / FFP	ACC-NJ, Picatinny Arsenal, NJ	Jan 2025	Jul 2025	1,772	11.259	N		

^(†) indicates the presence of a P-21

Remarks:

Unit costs are firm fixed price contract for all years and ordering periods and are procured in different quantity ranges and ordering periods.

FY 2025 funding increase ramps up production capacity to support the Army's planned fielding schedule.

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Exhibit P-21, Production Schedule: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10		P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon
		Item Number / Title [DODIC]: G14511 / Next Generation Squad Weapon-Automatic Rifle

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	SIG Sauer Inc - Newington NH 03801-6801	20	158	300	4	2	6	8	1	2	6	8

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10	P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon	Item Number / Title [DODIC]: G14512 / NEXT GENERATION SQUAD WEAPON-RIFLE

ID Code (A=Service Ready, B=Not Service Ready) : A				MDAP/MAIS Code:			
Resource Summary		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (Units in Each)		2,501	8,336	17,122	18,019	-	18,019
Gross/Weapon System Cost (\$ in Millions)		14.253	45.075	87.426	91.447	-	91.447
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		14.253	45.075	87.426	91.447	-	91.447
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)		14.253	45.075	87.426	91.447	-	91.447
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)		5.699	5.407	5.106	5.075	-	5.075

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Transportation	-	-	-	-	-	0.050	-	-	0.100	-	-	0.100	-	-	-	-	-	0.100
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	<i>0.050</i>	-	-	<i>0.100</i>	-	-	<i>0.100</i>	-	-	-	-	-	<i>0.100</i>
Non Recurring Cost																		
NGSW First Article Test	-	-	0.324	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>0.324</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	<i>0.324</i>	-	-	<i>0.050</i>	-	-	<i>0.100</i>	-	-	<i>0.100</i>	-	-	-	-	-	<i>0.100</i>
Hardware Cost																		
Recurring Cost																		
Next Generation Squad Weapon - Rifle (NGSW-R) ^(†)	4.243	2,501	10.612	4.648	8,336	38.748	4.407	17,122	75.456	4.372	18,019	78.779	-	-	-	4.372	18,019	78.779
Initial Spares	-	-	0.383	-	-	2.906	-	-	5.659	-	-	5.904	-	-	-	-	-	5.904
<i>Subtotal: Recurring Cost</i>	-	-	<i>10.995</i>	-	-	<i>41.654</i>	-	-	<i>81.115</i>	-	-	<i>84.683</i>	-	-	-	-	-	<i>84.683</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>10.995</i>	-	-	<i>41.654</i>	-	-	<i>81.115</i>	-	-	<i>84.683</i>	-	-	-	-	-	<i>84.683</i>
Package Fielding Cost																		
Recurring Cost																		
Total Fielding Package	-	-	0.182	-	-	0.128	-	-	0.984	-	-	0.684	-	-	-	-	-	0.684
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.182</i>	-	-	<i>0.128</i>	-	-	<i>0.984</i>	-	-	<i>0.684</i>	-	-	-	-	-	<i>0.684</i>

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10	P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon	Item Number / Title [DODIC]: G14512 / NEXT GENERATION SQUAD WEAPON-RIFLE

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Package Fielding Cost</i>	-	-	0.182	-	-	0.128	-	-	0.984	-	-	0.684	-	-	-	-	-	0.684
Logistics Cost																		
Recurring Cost																		
Integrated Logistic Support	-	-	0.493	-	-	0.336	-	-	0.490	-	-	0.684	-	-	-	-	-	0.684
<i>Subtotal: Recurring Cost</i>	-	-	0.493	-	-	0.336	-	-	0.490	-	-	0.684	-	-	-	-	-	0.684
<i>Subtotal: Logistics Cost</i>	-	-	0.493	-	-	0.336	-	-	0.490	-	-	0.684	-	-	-	-	-	0.684
Support - Data Cost																		
Technical Publications	-	-	-	-	-	0.271	-	-	0.500	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Data Cost</i>	-	-	-	-	-	0.271	-	-	0.500	-	-	-	-	-	-	-	-	-
Support - Engineering Change Proposals Cost																		
Engineering Change Proposals	-	-	-	-	-	-	-	-	0.700	-	-	0.395	-	-	-	-	-	0.395
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	-	-	-	-	-	-	0.700	-	-	0.395	-	-	-	-	-	0.395
Support - New Equipment Training (NET) Cost																		
Equipment	-	-	0.183	-	-	0.126	-	-	0.493	-	-	0.873	-	-	-	-	-	0.873
<i>Subtotal: Support - New Equipment Training (NET) Cost</i>	-	-	0.183	-	-	0.126	-	-	0.493	-	-	0.873	-	-	-	-	-	0.873
Support - Program Management Cost																		
Government Management	-	-	1.482	-	-	1.272	-	-	1.760	-	-	2.700	-	-	-	-	-	2.700
<i>Subtotal: Support - Program Management Cost</i>	-	-	1.482	-	-	1.272	-	-	1.760	-	-	2.700	-	-	-	-	-	2.700
Support - System Engineering Cost																		
System Engineering	-	-	0.594	-	-	1.240	-	-	1.283	-	-	1.328	-	-	-	-	-	1.328
<i>Subtotal: Support - System Engineering Cost</i>	-	-	0.594	-	-	1.240	-	-	1.283	-	-	1.328	-	-	-	-	-	1.328
Gross/Weapon System Cost	5.699	2,501	14.253	5.407	8,336	45.075	5.106	17,122	87.426	5.075	18,019	91.447	-	-	-	5.075	18,019	91.447

Remarks:
Unit costs are firm fixed price contract for all years and ordering periods and are procured in different quantity ranges and ordering periods.

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10	P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon	Item Number / Title [DODIC]: G14512 / NEXT GENERATION SQUAD WEAPON-RIFLE

ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**
 FY 2025 funding increase ramps up production capacity to support the Army's planned fielding schedule.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Army	Quantity	5,251	11,223	11,694	-	11,694
	Total Obligation Authority	28.991	57.186	56.906	-	56.906
ANG	Quantity	3,085	5,899	6,325	-	6,325
	Total Obligation Authority	16.084	30.240	34.541	-	34.541
Total:	Quantity	8,336	17,122	18,019	-	18,019
Secondary Distribution	Total Obligation Authority	45.075	87.426	91.447	-	91.447

(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army							Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10			P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon				Item Number / Title [DODIC]: G14512 / NEXT GENERATION SQUAD WEAPON-RIFLE				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Next Generation Squad Weapon - Rifle (NGSW-R) ^(†)		2023	SIG Sauer Inc / Newington NH 03801-6801	C / FFP	ACC-NJ, Picatinny Arsenal, NJ	Aug 2023	Feb 2024	8,336	4.648	N		
Next Generation Squad Weapon - Rifle (NGSW-R) ^(†)		2024	SIG Sauer Inc / Newington NH 03801-6801	C / FFP	ACC-NJ, Picatinny Arsenal, NJ	Jan 2024	Aug 2024	17,122	4.407	N		
Next Generation Squad Weapon - Rifle (NGSW-R) ^(†)		2025	SIG Sauer Inc / Newington NH 03801-6801	C / FFP	ACC-NJ, Picatinny Arsenal, NJ	Jan 2025	Jul 2025	18,019	4.372	N		

^(†) indicates the presence of a P-21

Remarks:

Unit costs are firm fixed price contract for all years and ordering periods and are procured in different quantity ranges and ordering periods.

FY 2025 funding increase ramps up production capacity to support the Army's planned fielding schedule.

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Exhibit P-21, Production Schedule: PB 2025 Army															Date: March 2024														
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10										P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon										Item Number / Title [DODIC]: G14512 / NEXT GENERATION SQUAD WEAPON-RIFLE									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2025												Fiscal Year 2026												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Next Generation Squad Weapon - Rifle (NGSW-R)																															
Prior Years Deliveries: 2501																															
1		2023	ARMY	8.336	8.336	.000																							.000		
1		2024	ARMY	17.122	2.852	14.270	1.427	1.427	1.427	1.427	1.427	1.427	1.427	1.427	1.427														.000		
1		2025	ARMY	18.019	.000	18.019				A	-	-	-	-	-	.111	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	.000		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10		P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon
		Item Number / Title [DODIC]: G14512 / NEXT GENERATION SQUAD WEAPON-RIFLE

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	SIG Sauer Inc - Newington NH 03801-6801	250	1,698	5,000	4	2	6	8	1	2	6	8

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10		P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon
		Item Number / Title [DODIC]: G14513 / Next Generation Squad Weapon - Fire Control

ID Code (A=Service Ready, B=Not Service Ready) : A				MDAP/MAIS Code:				
Resource Summary			Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Procurement Quantity (<i>Units in Each</i>)			7,708	7,466	14,932	20,045	-	20,045
Gross/Weapon System Cost (<i>\$ in Millions</i>)			115.568	111.387	186.759	252.712	-	252.712
Less PY Advance Procurement (<i>\$ in Millions</i>)			-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)			115.568	111.387	186.759	252.712	-	252.712
Plus CY Advance Procurement (<i>\$ in Millions</i>)			-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)			115.568	111.387	186.759	252.712	-	252.712
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (<i>\$ in Millions</i>)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)			14.993	14.919	12.507	12.607	-	12.607

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Transportation	-	-	-	-	-	0.060	-	-	0.350	-	-	0.100	-	-	-	-	-	0.100
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	<i>0.060</i>	-	-	<i>0.350</i>	-	-	<i>0.100</i>	-	-	-	-	-	<i>0.100</i>
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	0.060	-	-	0.350	-	-	0.100	-	-	-	-	-	0.100
Hardware Cost																		
Recurring Cost																		
M157 Fire Control Systems ^(†)	12.609	7,708	97.190	13.624	7,466	101.717	10.962	14,932	163.678	11.078	20,045	222.059	-	-	-	11.078	20,045	222.059
Initial Spares	-	-	-	-	-	2.371	-	-	3.274	-	-	9.987	-	-	-	-	-	9.987
Engineering Data	-	-	0.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Technical Publications	-	-	0.370	-	-	-	-	-	0.804	-	-	-	-	-	-	-	-	-
Engineering Change Proposals	-	-	0.350	-	-	0.574	-	-	1.900	-	-	1.000	-	-	-	-	-	1.000
<i>Subtotal: Recurring Cost</i>	-	-	<i>98.210</i>	-	-	<i>104.662</i>	-	-	<i>169.656</i>	-	-	<i>233.046</i>	-	-	-	-	-	<i>233.046</i>
Non Recurring Cost																		
First Article Testing	-	-	10.619	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>10.619</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	108.829	-	-	104.662	-	-	169.656	-	-	233.046	-	-	-	-	-	233.046
Package Fielding Cost																		
Recurring Cost																		

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10		P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Total Package Fielding	-	-	0.720	-	-	0.070	-	-	2.620	-	-	3.509	-	-	-	-	-	3.509
<i>Subtotal: Recurring Cost</i>	-	-	0.720	-	-	0.070	-	-	2.620	-	-	3.509	-	-	-	-	-	3.509
<i>Subtotal: Package Fielding Cost</i>	-	-	0.720	-	-	0.070	-	-	2.620	-	-	3.509	-	-	-	-	-	3.509
Logistics Cost																		
Recurring Cost																		
Integrated Logistics Support (ILS)	-	-	0.424	-	-	0.308	-	-	2.180	-	-	2.200	-	-	-	-	-	2.200
<i>Subtotal: Recurring Cost</i>	-	-	0.424	-	-	0.308	-	-	2.180	-	-	2.200	-	-	-	-	-	2.200
<i>Subtotal: Logistics Cost</i>	-	-	0.424	-	-	0.308	-	-	2.180	-	-	2.200	-	-	-	-	-	2.200
Support - New Equipment Training (NET) Cost																		
Equipment	-	-	0.695	-	-	0.139	-	-	2.800	-	-	2.850	-	-	-	-	-	2.850
<i>Subtotal: Support - New Equipment Training (NET) Cost</i>	-	-	0.695	-	-	0.139	-	-	2.800	-	-	2.850	-	-	-	-	-	2.850
Support - Program Management Cost																		
Government Management	-	-	3.056	-	-	4.164	-	-	4.600	-	-	7.950	-	-	-	-	-	7.950
<i>Subtotal: Support - Program Management Cost</i>	-	-	3.056	-	-	4.164	-	-	4.600	-	-	7.950	-	-	-	-	-	7.950
Support - System Engineering Cost																		
System Engineering	-	-	1.474	-	-	1.984	-	-	2.053	-	-	2.057	-	-	-	-	-	2.057
<i>Subtotal: Support - System Engineering Cost</i>	-	-	1.474	-	-	1.984	-	-	2.053	-	-	2.057	-	-	-	-	-	2.057
Support - System Test and Evaluation Cost																		
Test and Evaluation Support	-	-	0.370	-	-	-	-	-	2.500	-	-	1.000	-	-	-	-	-	1.000
<i>Subtotal: Support - System Test and Evaluation Cost</i>	-	-	0.370	-	-	-	-	-	2.500	-	-	1.000	-	-	-	-	-	1.000
Gross/Weapon System Cost	14.993	7,708	115.568	14.919	7,466	111.387	12.507	14,932	186.759	12.607	20,045	252.712	-	-	-	12.607	20,045	252.712

Remarks:

Unit costs are firm fixed price contract for all years and ordering periods and are procured in different quantity ranges and ordering periods.

FY 2025 funding increase ramps up production capacity to support the Army's planned fielding schedule.

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Exhibit P-5, Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10	P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon	Item Number / Title [DODIC]: G14513 / Next Generation Squad Weapon - Fire Control

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
Long manufacturing production lead time due to electronic supply chain challenges.	

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Army	Quantity	3,909	9,628	12,756	-	12,756
	Total Obligation Authority	58.902	122.160	160.819	-	160.819
ANG	Quantity	3,557	5,304	7,289	-	7,289
	Total Obligation Authority	52.485	64.599	91.893	-	91.893
Total:	Quantity	7,466	14,932	20,045	-	20,045
Secondary Distribution	Total Obligation Authority	111.387	186.759	252.712	-	252.712

(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2025 Army							Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10			P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon				Item Number / Title [DODIC]: G14513 / Next Generation Squad Weapon - Fire Control					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
M157 Fire Control Systems ^(†)		2023	Sheltered Wings DBA Vortex Optics / 1 Vortex Drive Barneveld, WI 53507	C / FFP	ACC-NJ, Picatinny Arsenal, NJ	Mar 2023	Dec 2024	7,466	13.624	N		Sep 2021
M157 Fire Control Systems ^(†)		2024	Sheltered Wings DBA Vortex Optics / 1 Vortex Drive Barneveld, WI 53507	C / FFP	ACC-NJ, Picatinny Arsenal, NJ	Jan 2024	Jan 2026	14,932	10.962	N		
M157 Fire Control Systems ^(†)		2025	Sheltered Wings DBA Vortex Optics / 1 Vortex Drive Barneveld, WI 53507	C / FFP	ACC-NJ, Picatinny Arsenal, NJ	Jan 2025	Jan 2027	20,045	11.078	N		

^(†) indicates the presence of a P-21

Remarks:

Unit costs are firm fixed price contract for all years and ordering periods and are procured in different quantity ranges and ordering periods.

FY 2025 funding increase ramps up production capacity to support the Army's planned fielding schedule.

Long manufacturing production lead time due to electronic supply chain challenges.

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Exhibit P-21, Production Schedule: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10		P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon
		Item Number / Title [DODIC]: G14513 / Next Generation Squad Weapon - Fire Control

Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2023													Fiscal Year 2024													B A L A N C E
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
M157 Fire Control Systems																																	
Prior Years Deliveries: 7708																																	
	1	2023	ARMY	7.466	.000	7.466																									7.466		
	1	2024	ARMY	14.932	.000	14.932																									14.932		
	1	2025	ARMY	20.045	.000	20.045																									20.045		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2025 Army															Date: March 2024														
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10										P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon										Item Number / Title [DODIC]: G14513 / Next Generation Squad Weapon - Fire Control									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2025													Fiscal Year 2026													B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025													Calendar Year 2026													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
M157 Fire Control Systems																																	
Prior Years Deliveries: 7708																																	
	1	2023	ARMY	7.466	.000	7.466	-	-	.737	.800	.850	.850	.900	.950	1.000	1.000	.379													.000			
	1	2024	ARMY	14.932	.000	14.932	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.245	1.245	1.245	1.245	1.245	1.245	1.245	1.245	1.245	3.727			
	1	2025	ARMY	20.045	.000	20.045				A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.045				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2025 Army																Date: March 2024											
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10											P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon											Item Number / Title [DODIC]: G14513 / Next Generation Squad Weapon - Fire Control					

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2027														Fiscal Year 2028														B A L A N C E			
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027														Calendar Year 2028																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
M157 Fire Control Systems																																					
Prior Years Deliveries: 7708																																					
1		2023	ARMY	7.466	7.466	.000																															
1		2024	ARMY	14.932	11.205	3.727	1.245	1.245	1.237																												.000
1		2025	ARMY	20.045	.000	20.045	-	-	-	1.670	1.670	1.671	1.671	1.671	1.671	1.671	1.671	1.671	1.671	1.671	1.671	1.671	1.666														.000
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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Exhibit P-21, Production Schedule: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 10		P-1 Line Item Number / Title: 8205G14510 / Next Generation Squad Weapon
		Item Number / Title [DODIC]: G14513 / Next Generation Squad Weapon - Fire Control

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Sheltered Wings DBA Vortex Optics - 1 Vortex Drive Barneveld, WI 53507	150	1,290	2,500	6	9	11	20	1	4	18	22

Remarks:
Long manufacturing production lead time due to electronic supply chain challenges.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 10: Weapons & Other Combat Vehicles	P-1 Line Item Number / Title: 8635G15325 / Handgun
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	74.066	-	0.032	0.034	-	0.034	0.007	0.007	-	-	-	74.146
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	74.066	-	0.032	0.034	-	0.034	0.007	0.007	-	-	-	74.146
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	74.066	-	0.032	0.034	-	0.034	0.007	0.007	-	-	-	74.146

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	49.843	-	0.200	-	-	-	-	-	-	-	-	45.046

Description:

The Modular Handgun System (MHS) supports the Army Modernization priorities (Build a More Lethal Force) through enhancement of Joint Lethality in contested environments by minimizing and eliminating erosion of close combat capability relative to peer competitors in complex terrain as outlined in the National Defense Strategy (NDS). Currently, the M9 Semi-Automatic Pistol, which has been utilized as the Department of Defense's personal defense weapon since 1985, is being replaced by the new M17 Full Size Modular Handgun . The M18 Compact Size Modular Handgun will replace M11 Handguns. The Modular Handgun System is a Commercial Off the Shelf/ Non-Developmental Item (COTS/NDI) which delivers a more capable system (weapon, ammo and magazines) consistent with the planned force structure and emerging operational needs of the Army. The Modular Handgun System addresses M9 Pistol and M11 Pistol shortcomings with improved lethality, target acquisition, ergonomics, reliability, durability, and maintainability. The Modular Handgun System is ambidextrous capable and accommodates 5th-95th percentile users via modular grips and access to all controls with one hand.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.032	0.034	-	0.034	0.007	0.007	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.032	0.034	-	0.034	0.007	0.007	-

Justification:

FY 2025 Base procurement dollars in the amount of \$0.034 million supports the procurement of one-hundred (100) General Officer (GO) pistols and various spare parts for the Handgun.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L.110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Handgun's Army Acquisition Objective (AAO) of 233,429 was met in FY 2020.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 20: Mod of Weapons and Other Combat Veh	P-1 Line Item Number / Title: 3000GB3000 / MK-19 Grenade Machine Gun MODS
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ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0604601A	Other Related Program Elements: 0604802A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	92.309	10.943	-	5.531	-	5.531	-	-	-	-	-	108.783
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	92.309	10.943	-	5.531	-	5.531	-	-	-	-	-	108.783
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	92.309	10.943	-	5.531	-	5.531	-	-	-	-	-	108.783

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	18.093	-	-	-	-	-	-	-	-	-	-	21.322

Description:

BLI 3000GB3000 / MK-19 Grenade Machine Gun MODS is a new start in FY 2025.

The MK19 Grenade Machine Gun MODS program supports the Army Modernization priorities (Build a More Lethal Force) through enhancement of Joint Lethality in contested environments by minimizing and eliminating erosion of close combat capability relative to peer competitors in complex terrain as outlined in the National Defense Strategy (NDS). The MK19 Mod 3 is a self-powered, air-cooled, 40mm automatic grenade machine gun with a firing rate of 325-375 rounds per minute. It is used to engage point targets up to 1,500 meters and provide suppressive fire at ranges up to 2,200 meters. Various system enhancements have been identified to improve the system by increasing operational capabilities and improving reliability, readiness, maintainability, and safety. The MK19 is fielded with the MK93 mount for vehicle utilization and the M205 Tripod for ground deployment during static defensive operations. An ongoing system improvement is application of an improved mechanical sight thru a Modification Work Order. The improved sight decreases the MK19 logistic burden by reducing the number of parts as well as increasing Soldier lethality thru updated ballistic solutions. The Mounted Machine Gun Optic (MMO) will provide increased accuracy by equipping the MK19 with a combined reflex and magnified optic to mounted Combat Support & Combat Service Support (CS/CSS) troops, who currently have no optic. The Mounted Machine Gun Optic (MMO) will significantly improve target identification, target acquisition and effective engagement time at extended ranges while retaining the capability of short range, transition fire. MK93 Improvement Kits will enhance hit performance and improve Soldier interface with optical sighting systems during the move engagement by dampening mount movement. The XM101 Programmer Unit (PU) provides the means for fuze setting for the 40mm High Velocity, High Explosive Dual Purpose-Air Burst (HEDP-AB) capability for the MK19.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	10.943	-	5.531	-	5.531	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	10.943	-	5.531	-	5.531	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 20: Mod of Weapons and Other Combat Veh **P-1 Line Item Number / Title:** 3000GB3000 / MK-19 Grenade Machine Gun MODS

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0604601A **Other Related Program Elements:** 0604802A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	GB3000 / MK-19 Grenade Machine Gun MODS (Increase Performance)		B		- / 92.309	- / 10.943	- / -	- / 5.531	- / -	- / 5.531
P-40	Total Gross/Weapon System Cost				- / 92.309	- / 10.943	- / -	- / 5.531	- / -	- / 5.531

Exhibits Schedule					FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	GB3000 / MK-19 Grenade Machine Gun MODS (Increase Performance)		B		- / -	- / -	- / -	- / -	- / -	- / 108.783
P-40	Total Gross/Weapon System Cost				- / -	- / -	- / -	- / -	- / -	- / 108.783

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2025 Base procurement dollars in the amount of \$5.531 million supports procurement of 365 each XM101 Programmers. The XM101 is the fuze setter for the XM1176 High Explosive Dual Purpose Air Burst round. The XM101/XM1176 provide enhanced lethality against personnel targets, especially those in defilade.

The MK19 Grenade Machine Gun MODS program is a new start in FY 2025.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L.110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

The FY 2023 actuals for base include \$10.943 million emergency supplemental funding to support the procurement of replacement weapons transferred to Ukraine in support of the international effort to counter Russian aggression.

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Exhibit P-3a, Individual Modification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20	P-1 Line Item Number / Title: 3000GB3000 / MK-19 Grenade Machine Gun MODS	Modification Number / Title: GB3000 / MK-19 Grenade Machine Gun MODS

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	92.309	10.943	-	5.531	-	5.531	-	-	-	-	-	108.783
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	92.309	10.943	-	5.531	-	5.531	-	-	-	-	-	108.783
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	92.309	10.943	-	5.531	-	5.531	-	-	-	-	-	108.783

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	18.093	-	-	-	-	-	-	-	-	-	-	21.322

Description:

This program supports the Army Modernization priorities (Build a More Lethal Force) through enhancement of Joint Lethality in contested environments by minimizing and eliminating erosion of close combat capability relative to peer competitors in complex terrain as outlined in the National Defense Strategy (NDS). The MK19 is a self-powered, air-cooled, 40mm automatic grenade machine gun capable of a firing rate of 325-375 rounds per minute. It is used to engage point targets up to 1,500 meters and provide suppressive fire at ranges up to 2,200 meters. Since the initial fielding of the MK19, various system enhancements have been identified to further improve the system by increasing operational capabilities and improving reliability, readiness, maintainability, and safety.

MOD 1: MK19 Grenade Machine Gun (GMG) Improved Rear Sight Kits - Application of an enhanced mechanical sight that will improve operational capability and reliability of the MK19.

MOD 2: The Mounted Machine Gun Optic (MMO) will provide increased accuracy by equipping the MK19 with a combined reflex and magnified optic to mounted Combat Support/Combat Service Support (CS/CSS) troops, who currently have no optic. The Mounted Machine Gun Optic (MMO) will significantly improve target identification, target acquisition and effective engagement time at extended ranges while retaining the capability of short range, transition fire.

MOD 3: The MK93 Improvement Kits will enhance hit performance and improve Soldier interface with optical sighting systems during in vehicle on the move engagement by dampening mount movement.

MOD 4: The XM101 HEDP-AB Programmer Unit (PU) provides the means for fuze settings to include the 40mm High Velocity, High Explosive Dual Purpose-Air Burst (HEDP-AB) round capability for the MK19 currently under development.

MOD 5: Completed Modifications - Denotes funding provided in prior years for completed modifications to include Tactical Engagement Simulators, M3/M205 Tripods and legacy Vehicle Mounts. This element was added specifically to reduce the number of pages of the submission bringing focus to only those modifications funded in the current FYDP.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	10.943	-	5.531	-	5.531	-	-	-	-
Total:									
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20	P-1 Line Item Number / Title: 3000GB3000 / MK-19 Grenade Machine Gun MODS	Modification Number / Title: GB3000 / MK-19 Grenade Machine Gun MODS

ID Code (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Secondary Distribution	Total Obligation Authority	10.943	-	5.531	-	5.531	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army										Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20					P-1 Line Item Number / Title: 3000GB3000 / MK-19 Grenade Machine Gun MODS					Modification Number / Title: GB3000 / MK-19 Grenade Machine Gun MODS			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: MK19 Grenade Machine Gun				Modification Type: Increase Performance				Related RDT&E PEs: 0604802A					
Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 6: MK19 GMG Improved Rear Sights													
B Kits													
Recurring													
MK19 GMG Improved Rear Sight	6,449 / 6.223	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6,449 / 6.223	
Engineering Support	- / 3.990	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.990	
Integrated Logistical Support	- / 0.665	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.665	
First Destination Transportation	- / 0.077	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.077	
Testing	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	
Testing (First Article)	- / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.800	
Engineering Study	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	
Fielding	- / 0.735	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.735	
Program Management Support	- / 0.960	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.960	
Subtotal: Recurring	6,449 / 14.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6,449 / 14.150	
Subtotal: MK19 GMG Improved Rear Sights	6,449 / 14.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6,449 / 14.150	
Modification Item 2 of 6: Mounted Machine Gun Optic (MMO)													
B Kits													
Recurring													
Mounted Machine Gun Optic (MMO)	6,777 / 12.449	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6,777 / 12.449	
Engineering Support	- / 0.836	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.836	
Integrated Logistical Support	- / 0.650	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.650	
First Destination Transportation	- / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.060	
Testing (First Article)	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.100	
Engineering Study	- / 0.777	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.777	
Fielding	- / 0.650	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.650	
Program Support	- / 1.135	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.135	
New Equipment Training	- / 0.450	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.450	
Subtotal: Recurring	6,777 / 17.107	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6,777 / 17.107	
Subtotal: Mounted Machine Gun Optic (MMO)	6,777 / 17.107	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6,777 / 17.107	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20	P-1 Line Item Number / Title: 3000GB3000 / MK-19 Grenade Machine Gun MODS	Modification Number / Title: GB3000 / MK-19 Grenade Machine Gun MODS

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Models of Systems Affected: MK19 Grenade Machine Gun	Modification Type: Increase Performance	Related RDT&E PEs: 0604802A
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Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Modification Item 3 of 6: MK93 Improvement Kits												
B Kits												
Recurring												
MK93 Improvement Kits	2,115 / 14.705	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,115 / 14.705
Engineering Support	- / 1.096	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.096
Integrated Logistical Support	- / 0.075	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.075
First Destination Transport	- / 0.008	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.008
Fielding	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200
New Equipment Training	- / 0.175	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.175
Program Management	- / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.150
Subtotal: Recurring	2,115 / 16.409	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,115 / 16.409
Subtotal: MK93 Improvement Kits	2,115 / 16.409	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,115 / 16.409
Modification Item 4 of 6: XM101 HEDP-AB Programmer Unit												
B Kits												
Recurring												
XM101 HEDP-AB Programmer	73 / 1.040	- / -	- / -	365 / 3.872	- / -	365 / 3.872	- / -	- / -	- / -	- / -	- / -	438 / 4.912
Engineering	- / 0.079	- / -	- / -	- / 0.652	- / -	- / 0.652	- / -	- / -	- / -	- / -	- / -	- / 0.731
Integrated Logistical Support	- / 0.035	- / -	- / -	- / 0.085	- / -	- / 0.085	- / -	- / -	- / -	- / -	- / -	- / 0.120
New Equipment Training	- / 0.050	- / -	- / -	- / 0.325	- / -	- / 0.325	- / -	- / -	- / -	- / -	- / -	- / 0.375
Program Management	- / 0.084	- / -	- / -	- / 0.411	- / -	- / 0.411	- / -	- / -	- / -	- / -	- / -	- / 0.495
Fielding	- / -	- / -	- / -	- / 0.186	- / -	- / 0.186	- / -	- / -	- / -	- / -	- / -	- / 0.186
Subtotal: Recurring	73 / 1.288	- / -	- / -	365 / 5.531	- / -	365 / 5.531	- / -	- / -	- / -	- / -	- / -	438 / 6.819
Subtotal: XM101 HEDP-AB Programmer Unit	73 / 1.288	- / -	- / -	365 / 5.531	- / -	365 / 5.531	- / -	- / -	- / -	- / -	- / -	438 / 6.819
Modification Item 5 of 6: Completed Modifications												
A Kits												
Recurring												
Completed Modifications	2,394 / 36.221	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,394 / 36.221
Subtotal: Recurring	2,394 / 36.221	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,394 / 36.221
Subtotal: Completed Modifications	2,394 / 36.221	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,394 / 36.221

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Exhibit P-3a, Individual Modification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20	P-1 Line Item Number / Title: 3000GB3000 / MK-19 Grenade Machine Gun MODS	Modification Number / Title: GB3000 / MK-19 Grenade Machine Gun MODS

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Models of Systems Affected: MK19 Grenade Machine Gun	Modification Type: Increase Performance	Related RDT&E PEs: 0604802A
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Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Modification Item 6 of 6: MK19 MOD 3 GMG												
A Kits												
Non-Recurring												
MK-19 MOD 3	320 / 7.017	440 / 10.893	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	760 / 17.910
Transportation	- / 0.117	- / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.167
<i>Subtotal: Non-Recurring</i>	320 / 7.134	440 / 10.943	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	760 / 18.077
<i>Subtotal: MK19 MOD 3 GMG</i>	320 / 7.134	440 / 10.943	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	760 / 18.077
<i>Subtotal: Procurement, All Modification Items</i>	18,128 / 92.309	440 / 10.943	- / -	365 / 5.531	- / -	365 / 5.531	- / -	- / -	- / -	- / -	- / -	18,933 / 108.783

Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Total												
Total Cost (Procurement + Support + Installation)	92.309	10.943	-	5.531	-	5.531	-	-	-	-	-	108.783

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army					Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3000GB3000 / MK-19 Grenade Machine Gun MODS			Modification Number / Title: GB3000 / MK-19 Grenade Machine Gun MODS	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 6: MK19 GMG Improved Rear Sights							
Manufacturer Information							
Manufacturer Name: Imperial Machine & Tool				Manufacturer Location: Columbia, NJ			
Administrative Leadtime (in Months): 5				Production Leadtime (in Months): 6			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Modification Work Orders (MWO)					Installation Quantity: 16636		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3000GB3000 / MK-19 Grenade Machine Gun MODS			Modification Number / Title: GB3000 / MK-19 Grenade Machine Gun MODS	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 2 of 6: Mounted Machine Gun Optic (MMO)							
Manufacturer Information							
Manufacturer Name: BCF Solutions				Manufacturer Location: Chantilly, VA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 4			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates			Dec 2024				
Installation Information							
Method of Implementation (Organic): Installed by Troops					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3000GB3000 / MK-19 Grenade Machine Gun MODS			Modification Number / Title: GB3000 / MK-19 Grenade Machine Gun MODS	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 3 of 6: MK93 Improvement Kits							
Manufacturer Information							
Manufacturer Name: American Rheinmetall Systems				Manufacturer Location: Biddeford, ME			
Administrative Leadtime (in Months): 9				Production Leadtime (in Months): 7			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Installed by Troops					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army					Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3000GB3000 / MK-19 Grenade Machine Gun MODS			Modification Number / Title: GB3000 / MK-19 Grenade Machine Gun MODS	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 4 of 6: XM101 HEDP-AB Programmer Unit							
Manufacturer Information							
Manufacturer Name: American Rheinmetall Systems				Manufacturer Location: Biddeford, ME			
Administrative Leadtime (in Months): 7				Production Leadtime (in Months): 7			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates			Dec 2024				
Delivery Dates			Sep 2025				
Installation Information							
Method of Implementation (Organic): Installed by Troops					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army					Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3000GB3000 / MK-19 Grenade Machine Gun MODS			Modification Number / Title: GB3000 / MK-19 Grenade Machine Gun MODS	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 5 of 6: Completed Modifications							
Manufacturer Information							
Manufacturer Name: NA				Manufacturer Location: NA			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Installed by Troops					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army					Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3000GB3000 / MK-19 Grenade Machine Gun MODS			Modification Number / Title: GB3000 / MK-19 Grenade Machine Gun MODS	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 6 of 6: MK19 MOD 3 GMG							
Manufacturer Information							
Manufacturer Name: US Ordnance				Manufacturer Location: McCarran, NV			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 12			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates	Dec 2023						
Delivery Dates	Aug 2024						
Installation Information							
Method of Implementation (Organic): None					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 20: Mod of Weapons and Other Combat Veh	P-1 Line Item Number / Title: 3005GZ1700 / M777 Mods
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	42	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	181.621	3.374	18.920	25.998	-	25.998	2.429	1.559	1.560	1.577	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	181.621	3.374	18.920	25.998	-	25.998	2.429	1.559	1.560	1.577	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	181.621	3.374	18.920	25.998	-	25.998	2.429	1.559	1.560	1.577	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	450.476	-	-	-	-	-	-	-	Continuing	Continuing

Description:

The Lightweight 155mm Howitzer (LW155), also known as the M777A2, is a Joint Service program between the United States Marine Corps (USMC) and the United States Army. The M777A2 provides direct, reinforcing, and general support fires to maneuver forces and direct support artillery. The M777A2 was first introduced into the US Marine Corps (USMC) in 2005 and the Marines have fielded the howitzer to all active units. The Army has fielded the howitzer to its Stryker Brigade Combat teams (SBCT) and Infantry Brigade Combat teams (IBCT) including the National Guard. The M777A2 saw extensive action in Afghanistan and received high marks for its performance. The M777A2 fires unassisted projectiles to a range of 30 kilometers (km) and assisted projectiles to 40km. The addition of the digital fire control system enables the weapon to program and fire the improved Excalibur precision-guided munitions to ranges in excess of 40km with better than 10-meter Circular Error Probable (CEP) accuracy. The LW155 is the first ground combat system whose major structures are made of high strength titanium alloy and the system makes extensive use of hydraulics to operate the breech, load tray, recoil and wheel arms. The combination of titanium structures and the use of hydraulic systems resulted in a significant weight savings of 7,000 pounds over the legacy M198 howitzer system. Compared to the M198, the LW155 replaces three-times faster and displaces four-times faster. It traverses 32-percent more terrain worldwide and is 70-percent more survivable than the M198. It is a successful joint service program between the USMC and U.S. Army working together to develop, produce, field, and sustain the howitzer. The howitzer will be going through modernization of electronic components in its digital fire control system to ensure continued interoperability and survivability on the battlefield.

This budget line item also provides funding for various system critical Digital Fire Control System (DFCS) hardware and software modifications including, but not limited to, modern Software Defined Radios, Mission Computers, Chief of Section Display, and Assured Position, Navigation and Timing (A-PNT) (aka: M-Code).

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	-	42	-	-	-	-	-	-	-
Total Obligation Authority	3.374	12.017	25.998	-	25.998	1.391	1.559	1.560	1.577
ANG	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	6.903	-	-	-	1.038	-	-	-
Total: Secondary Distribution	-	42	-	-	-	-	-	-	-
Total Obligation Authority	3.374	18.920	25.998	-	25.998	2.429	1.559	1.560	1.577

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 20: Mod of Weapons and Other Combat Veh	P-1 Line Item Number / Title: 3005GZ1700 / M777 Mods
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	GZ1700 / M777 Mods (Increase Performance)		A		- / 181.621	- / 3.374	42 / 18.920	- / 25.998	- / -	- / 25.998
P-40	Total Gross/Weapon System Cost				- / 181.621	- / 3.374	42 / 18.920	- / 25.998	- / -	- / 25.998

Exhibits Schedule					FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	GZ1700 / M777 Mods (Increase Performance)		A		- / 2.429	- / 1.559	- / 1.560	- / 1.577	Continuing	Continuing
P-40	Total Gross/Weapon System Cost				- / 2.429	- / 1.559	- / 1.560	- / 1.577	Continuing	Continuing

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2025 funding in the amount of \$25.998 million supports the procurement of modernized Digital Fire Control System (DFCS) components and Assured Position, Navigation and Timing (APNT) compliance initiatives onto the M777 howitzer platform; continues the retrofit of previously procured hardware and software modifications; and other modernization efforts to the Digital Fire Control System (DFCS). APNT compliance initiatives will provide the M777A2 howitzer with the continued ability to conduct precision and near precision fires in a Global Positioning System (GPS) contested environment while maintaining current operational tempo. Modernization efforts to the Digital Fire Control System (DFCS) will enable continued system readiness.

Net funding increase of \$7.078 million from FY 2024 to FY 2025 reflects the procurement of upgraded Digital Fire Control System (DFCS) operating system hardware and software components and Assured Position, Navigation and Timing (APNT) compliance initiative hardware.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."

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Exhibit P-3a, Individual Modification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20	P-1 Line Item Number / Title: 3005GZ1700 / M777 Mods	Modification Number / Title: GZ1700 / M777 Mods

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	42	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	181.621	3.374	18.920	25.998	-	25.998	2.429	1.559	1.560	1.577	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	181.621	3.374	18.920	25.998	-	25.998	2.429	1.559	1.560	1.577	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	181.621	3.374	18.920	25.998	-	25.998	2.429	1.559	1.560	1.577	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	450.476	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Modification 1- Retrofit and Composite Fielding Activities: Funding will support field retrofits of previously contracted Engineering Change Proposals for items such as the Mission Computer (MSC-R), Chief of Section Display (CSD-R), upgraded software, and radio hardware integration kits.

Modification 2 - Digital Fire Control System Modifications: Funding will address security and supportability issues through Software and Hardware Engineering Change Proposals. Specific Digital Fire Control Electronic Components to be procured and fielded such as: New Digital Fire Control Computers and Display Units and Radio Integration Kits. These components are required to support security and obsolescence issues and maintain current operational tempo.

Modification 3 - Previous Modifications: Completed Modifications such as Improved Power Conditioning and Control Module (IPCCM); Hydraulic Power Assist Kit (HyPAK); Enhanced Power Pack (EPP); etc.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	42	-	-	-	-	-	-	-
	Total Obligation Authority	3.374	12.017	25.998	-	25.998	1.391	1.559	1.560	1.577
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	6.903	-	-	-	1.038	-	-	-
Total:	Quantity	-	42	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	3.374	18.920	25.998	-	25.998	2.429	1.559	1.560	1.577

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Exhibit P-3a, Individual Modification: PB 2025 Army										Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20					P-1 Line Item Number / Title: 3005GZ1700 / M777 Mods					Modification Number / Title: GZ1700 / M777 Mods			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: M777A2				Modification Type: Increase Performance				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 3: Retrofit and Composite Fielding Activities													
A Kits													
Recurring													
Retrofit & Composite Fielding Activities	- / 27.844	- / 1.450	- / 2.150	- / 1.760	- / -	- / 1.760	- / 2.429	- / 1.559	- / 1.560	- / 1.577	Continuing	Continuing	
Subtotal: Recurring	- / 27.844	- / 1.450	- / 2.150	- / 1.760	- / -	- / 1.760	- / 2.429	- / 1.559	- / 1.560	- / 1.577	Continuing	Continuing	
Subtotal: Retrofit and Composite Fielding Activities	- / 27.844	- / 1.450	- / 2.150	- / 1.760	- / -	- / 1.760	- / 2.429	- / 1.559	- / 1.560	- / 1.577	Continuing	Continuing	
Modification Item 2 of 3: Digital Fire Control System Modifications													
A Kits													
Recurring													
APNT Initiatives	- / -	- / -	- / -	204 / 8.906	- / -	204 / 8.906	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Recurring	- / -	- / -	- / -	204 / 8.906	- / -	204 / 8.906	- / -	- / -	- / -	- / -	Continuing	Continuing	
Non-Recurring													
Engineering Change Proposal	- / 12.895	- / 1.924	- / 12.656	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Radio Integration Kits	- / 15.976	- / -	42 / 4.114	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	42 / 20.090	
Software Integration	- / 2.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.700	
Electronic Communication Components	490 / 9.287	- / -	- / -	144 / 15.332	- / -	144 / 15.332	- / -	- / -	- / -	- / -	- / -	634 / 24.619	
Subtotal: Non-Recurring	490 / 40.858	- / 1.924	42 / 16.770	144 / 15.332	- / -	144 / 15.332	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Digital Fire Control System Modifications	490 / 40.858	- / 1.924	42 / 16.770	348 / 24.238	- / -	348 / 24.238	- / -	- / -	- / -	- / -	Continuing	Continuing	
Modification Item 3 of 3: Previous Modifications													
A Kits													
Non-Recurring													
Previous Modifications	- / 112.919	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 112.919	
Subtotal: Non-Recurring	- / 112.919	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 112.919	
Subtotal: Previous Modifications	- / 112.919	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 112.919	
Subtotal: Procurement, All Modification Items	490 / 181.621	- / 3.374	42 / 18.920	348 / 25.998	- / -	348 / 25.998	- / 2.429	- / 1.559	- / 1.560	- / 1.577	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													

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Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20	P-1 Line Item Number / Title: 3005GZ1700 / M777 Mods	Modification Number / Title: GZ1700 / M777 Mods
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Models of Systems Affected: M777A2 **Modification Type:** Increase Performance **Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Total Cost (Procurement + Support + Installation)	181.621	3.374	18.920	25.998	-	25.998	2.429	1.559	1.560	1.577	Continuing	Continuing

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Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3005GZ1700 / M777 Mods			Modification Number / Title: GZ1700 / M777 Mods	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 1 of 3: Retrofit and Composite Fielding Activities							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 2			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates	Jan 2023	Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028	Jan 2029
Delivery Dates	Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	Mar 2028	Jan 2030
Installation Information							
Method of Implementation (Organic): Contract Options					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3005GZ1700 / M777 Mods			Modification Number / Title: GZ1700 / M777 Mods	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 2 of 3: Digital Fire Control System Modifications							
Manufacturer Information							
Manufacturer Name: Multiple Vendors				Manufacturer Location: Multiple Locations			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 2			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates		May 2024	May 2025				
Delivery Dates		Jul 2024	Jul 2025				
Installation Information							
Method of Implementation (Organic): Contracts					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3005GZ1700 / M777 Mods			Modification Number / Title: GZ1700 / M777 Mods	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 3 of 3: Previous Modifications							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Component hardware procurements					Installation Quantity: 0		

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 20: Mod of Weapons and Other Combat Veh	P-1 Line Item Number / Title: 3015GB4000 / M2 50 Cal Machine Gun MODS
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0604601A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	414.478	7.420	-	-	-	-	-	-	-	-	-	421.898
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	414.478	7.420	-	-	-	-	-	-	-	-	-	421.898
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	414.478	7.420	-	-	-	-	-	-	-	-	-	421.898

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	916.987	36.195	-	-	-	-	-	-	-	-	-	642.158

Description:

The M2 .50 Cal Machine Gun MODS program supports the Army Modernization priorities (Build a More Lethal Force) through enhancement of Joint Lethality in contested environments by minimizing and eliminating erosion of close combat capability relative to peer competitors in complex terrain as outlined in the National Defense Strategy (NDS). The M2A1 Quick Change Barrel (QCB) Kit provides enhancements for the .50 Caliber M2 Heavy Barrel Machine Gun to provide the Soldier with the ability to quickly change barrels without the need to reset the headspace and timing and also reduces the visible muzzle flash. In a dismounted role, the M2/MK19 Machine Guns utilize the M205 Lightweight Tripod which reduces the Soldier burden by 16 pounds (32%) over the current M3 Tripod which weighs 50 pounds (including traverse and elevation mechanisms and pintle). The M205 Tripod provides integral traverse and elevation mechanisms for easier, more accurate target engagement and adjustable traverse limit stop for night time missions. The Mounted Machine Gun Optic (MMO) will provide increased accuracy by equipping Medium/Heavy Machine Guns, including the M2/M2A1, with a combined reflex and magnified optic to mounted Combat Support & Combat Service Support (CS/CSS) troops, who currently have no optic. The Mounted Machine Gun Optic (MMO) will significantly improve target identification, target acquisition and effective engagement time at extended ranges while retaining the capability of short range, transition fire. The MK93 is the primary mount used to interface the M2/M2A1 with all Army vehicles and ground mounts. MK93 Improvement Kits will enhance hit performance and improve Soldier interface with optical sighting systems during on the move engagement by dampening mount movement.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.420	-	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.420	-	-	-	-	-	-	-	-

Justification:

There is no FY 2025 budget request for this funding line.

The FY 2023 actuals for base include \$4.420 million emergency supplemental funding to support the procurement of replacement weapons transferred to Ukraine in support of the international effort to counter Russian aggression.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 20: Mod of Weapons and Other Combat Veh		P-1 Line Item Number / Title: 3015GB4000 / M2 50 Cal Machine Gun MODS
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0604601A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 20: Mod of Weapons and Other Combat Veh	P-1 Line Item Number / Title: 3181GZ1500 / Sniper Rifles Modifications
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ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0604601A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	4	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	51.208	0.143	-	-	-	-	0.019	0.019	0.019	0.019	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	51.208	0.143	-	-	-	-	0.019	0.019	0.019	0.019	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	51.208	0.143	-	-	-	-	0.019	0.019	0.019	0.019	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	12,802.000	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

The Sniper Rifles Modifications program supports the Army Modernization priorities (Build a More Lethal Force) through enhancement of Joint Lethality in contested environments by minimizing and eliminating erosion of close combat capability relative to peer competitors in complex terrain as outlined in the National Defense Strategy (NDS). The program conducts investigative engineering studies, procure modifications or conversions of sniper weapons and related system components, Advanced Sniper Accessory Kit (ASAK) items, M151 Spotting Scope System, Tactical Tripod Kit (TTK) components, sniper optics, laser range finders, and ballistic compensating systems. Initial buys of items to support or meet operational needs and lighten sniper load. It includes the procurement of rifle scope optics, spotting scopes, an accompanying Accessory Interface Mounting kit (AIM), Improved Sniper Tripod, improved capabilities including an enhanced common reticle pattern and special tool kit.

This program also provides improved ancillary equipment such as intelligent rails, ballistic chronographs, Ballistic Weather Meter (BWM), Sniper Scope Covert Cap, Weapon Tripod Cradle, Sniper Data Board, improved Sniper Buttstock, Sniper Tool Kit, Sniper Accessory Mount, improved and/or recalibrated barrels, fire controls, muzzles with suppressors, other components, and support costs.

The current Army fleet of sniper weapons, consisting of the M14 Enhanced Battle Rifle (EBR) as interim Squad Designated Marksman weapon, the M110 Semi-Automatic Sniper System (SASS), the M2010 Enhanced Sniper Rifle (ESR), and the M107 Semi-Automatic Long Range Sniper Rifle (LRSR), require continuous upgrades to the weapon, components, and/or ancillary equipment. Sniper upgrades seek to enhance sniper mission capability, effectiveness, and survivability by extending the sniper's influence through emerging technologies in perfecting ballistics with exacting hardware and precise calculations, reducing sniper team burden through decreased weight and enhanced ergonomics, portability, signature-reduction, faster more precise target reconnaissance, surveillance, and target acquisition (RSTA) and precision aiming with automated ballistic prediction systems. Upgrades also support sniper/spotter mission collaboration with information sharing of targets and better situational awareness.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.143	-	-	-	-	0.019	0.019	0.019	0.019
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.143	-	-	-	-	0.019	0.019	0.019	0.019

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 20: Mod of Weapons and Other Combat Veh		P-1 Line Item Number / Title: 3181GZ1500 / Sniper Rifles Modifications
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0604601A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
Justification: There is no FY 2025 budget request for this funding line. The FY 2023 actuals for base include \$0.143 million emergency supplemental funding to support the procurement of replacement <ammunition, missiles, weapons, vehicles, etc.> transferred to Ukraine in support of the international effort to counter Russian aggression. In accordance with Section 1815 of the FY 2008 National Defense Act, (P.L.110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 20: Mod of Weapons and Other Combat Veh	P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	493	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	396.741	22.391	13.097	12.823	-	12.823	4.642	4.425	9.085	9.870	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	396.741	22.391	13.097	12.823	-	12.823	4.642	4.425	9.085	9.870	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	396.741	22.391	13.097	12.823	-	12.823	4.642	4.425	9.085	9.870	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	26.566	-	-	-	-	-	-	-	Continuing	Continuing

Description:

The M119A3 Towed Howitzer provides direct fire support for the Infantry Brigade Combat Teams (IBCTs). Funding in the M119A3 Modifications budget supports the application of modernization system enhancements required to ensure continued operational availability including the integration of digital fire control components required to execute secure digital fire missions and maintain interoperability on the battlefield. Modifications include the upgrade of the systems legacy radio to a current Software Defined Radio to support new encryption protocols, upgrade of the systems Fire Control Computer (FCC) to support migration to a new operating system, and integration of Assured Position, Navigation and Timing (A-PNT) (aka: M-Code) compliance initiatives. Modernization upgrades enhance crew survivability as direct supporting rapid emplacement, conducting of fire mission, and displacement. Funding in this program also supports the installation and retrofit of modification kits to the M119A3 Howitzer.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	226	-	-	-	-	-	-
	Total Obligation Authority	22.308	6.048	12.823	-	12.823	4.642	4.425	9.085
ANG	Quantity	-	267	-	-	-	-	-	-
	Total Obligation Authority	0.083	7.049	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	493	-	-	-	-	-	-
	Total Obligation Authority	22.391	13.097	12.823	-	12.823	4.642	4.425	9.085

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 20: Mod of Weapons and Other Combat Veh **P-1 Line Item Number / Title:** 3640GC0401 / M119 Modifications

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	GC0401 / M119 Modifications (Increase Performance)		A		- / 396.741	- / 22.391	493 / 13.097	- / 12.823	- / -	- / 12.823
P-40	Total Gross/Weapon System Cost				- / 396.741	- / 22.391	493 / 13.097	- / 12.823	- / -	- / 12.823

Exhibits Schedule					FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	GC0401 / M119 Modifications (Increase Performance)		A		- / 4.642	- / 4.425	- / 9.085	- / 9.870	Continuing	Continuing
P-40	Total Gross/Weapon System Cost				- / 4.642	- / 4.425	- / 9.085	- / 9.870	Continuing	Continuing

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2025 funding in the amount of \$12.823 million supports the procurement of modernized Digital Fire Control System (DFCS) components; integration of Assured Position, Navigation and Timing (APNT) compliance initiatives onto the M119 howitzer platform; continues the retrofit of previously procured hardware and software modifications; and other modernization efforts to the Digital Fire Control System (DFCS). APNT compliance initiatives will provide the M119A3 howitzer with the continued ability to conduct near precision fires in a Global Positioning System (GPS) contested environment while maintaining current operational tempo. Modernization efforts to the Digital Fire Control System (DFCS) will enable continued system readiness.

Net funding decrease of \$0.274 million from FY 2024 to FY 2025 reflects the completion of the Software Defined Radio hardware integration kit procurement and commences a reduced quantity procurement of a new Fire Control Computer to support an upgraded operating system and software.

The FY 2023 actuals for base include \$20.128 million emergency supplemental funding to support the procurement of replacement of systems transferred to Ukraine in support of the international effort to counter Russian aggression.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."

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Exhibit P-3a, Individual Modification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20	P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications	Modification Number / Title: GC0401 / M119 Modifications

ID Code (A=Service Ready, B=Not Service Ready) : A				MDAP/MAIS Code:								
Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	493	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	396.741	22.391	13.097	12.823	-	12.823	4.642	4.425	9.085	9.870	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	396.741	22.391	13.097	12.823	-	12.823	4.642	4.425	9.085	9.870	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	396.741	22.391	13.097	12.823	-	12.823	4.642	4.425	9.085	9.870	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	26.566	-	-	-	-	-	-	-	Continuing	Continuing

Description:

Modifications to M119A3 Howitzer:

Modification 1 (Digitization): Procurement of the Digital Fire Control System contracted separately for each major component, with various contract award dates. Application occurs in Battalion sets of 17 each over two-month periods. (Not funded in FY 2025)

Modification 2 (Recoil Capability Package): New recoil system which enhances the survivability of the M119. The recoil system upgrade consists of the recoil buffer, recuperator, and suspension modification. (Not funded in FY 2025)

Modification 3 (TADSS): Training Aids, Devices, Simulators and Simulations (TADSS) for use in training artillerymen and maintainers in fielded units as well as, in classroom instruction at school houses. (Not funded in FY 2025)

Modification 4 (Power System): Procure new power supply for the M119A3 Digital Fire Control System. The modification increased system electrical power to meet system operating requirements for low temperature environments. (Not funded in FY 2025)

Modification 5 (Durability): Procurement of: 502 each lightweight more durable titanium firing platforms, 502 each Fire Control Computer (FCC) covers to protect FCC from damage and, 250 each FCC thumb sticks/mouse to allow FCCs with damaged touch screens to remain mission capable. Prior years optimized the design of the spades on the M119 howitzer to increase durability and decrease weight. (Not funded in FY 2025)

Modification 6 (Retrofit and Composite Fielding Activities): Retrofit current howitzer fleet with upgraded recoil capability package, Titanium Firing Platform, Digital Fire Control System components, Resiliency and Software Assurance Modification, Blast Over Pressure software upgrade and Software Defined Radio. Fielding of the Digital Fire Control System completed in FY 2018, while other retrofit activities continue through FY 2029.

Modification 7 (Program Management): Program management support to the M119A3 Howitzer: lifecycle management, coordination & synchronization of field artillery solutions, technical oversight of projects, and business management functions. (Not funded in FY 2025)

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Exhibit P-3a, Individual Modification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20	P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications	Modification Number / Title: GC0401 / M119 Modifications
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Modification 8 (Software, Cyber Security) Resiliency Software Assurance Modification (RSAM): Qualify the Resiliency and Software Assurance Modification to ensure a robust GPS capability on the M119 howitzer. Apply software upgrade to the Ground-Based GPS Receiver Applications Module (GB-GRAM) receiver on the M119 fleet via a Modification Work Order. Upgrade software on the Fire Control Computer (FCC) to more accurately account for Blast Over Pressure effects on M119 crew and send a warning when safety limits approach. (Not funded in FY 2025)

Modification 9 (Digital Fire Control Tech Refresh): Procures integration hardware, such as cables and mounting brackets for software defined radio into digital fire control of M119 platform and other Digital Fire Control System (DFCS) components.

Modification 10 (Assured Position, Navigation and Timing (APNT)); Integrates, qualifies, and procures APNT compliance initiatives to support continued operation in GPS contested environments.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	226	-	-	-	-	-	-	-
	Total Obligation Authority	22.308	6.048	12.823	-	12.823	4.642	4.425	9.085	9.870
ANG	Quantity	-	267	-	-	-	-	-	-	-
	Total Obligation Authority	0.083	7.049	-	-	-	-	-	-	-
Total:	Quantity	-	493	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	22.391	13.097	12.823	-	12.823	4.642	4.425	9.085	9.870

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Exhibit P-3a, Individual Modification: PB 2025 Army										Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20					P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications					Modification Number / Title: GC0401 / M119 Modifications			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: M119A3 Howitzer				Modification Type: Increase Performance				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 10: Digitization													
A Kits													
Recurring													
Integration Prod/Init Spares	502 / 133.497	36 / 20.128	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	538 / 153.625	
Logistics & Fielding	- / 16.883	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.883	
Program Management	- / 11.409	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.409	
System Engineering	- / 19.576	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.576	
Engineering Change Orders (ECO)	- / 15.723	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.723	
Subtotal: Recurring	502 / 197.088	36 / 20.128	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	538 / 217.216	
Subtotal: Digitization	502 / 197.088	36 / 20.128	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	538 / 217.216	
Modification Item 2 of 10: Recoil Capability Package													
A Kits													
Recurring													
Recoil System Upgrade	502 / 47.579	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	502 / 47.579	
Subtotal: Recurring	502 / 47.579	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	502 / 47.579	
Subtotal: Recoil Capability Package	502 / 47.579	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	502 / 47.579	
Modification Item 3 of 10: Training Devices (TADSS)													
A Kits													
Non-Recurring													
Training Devices	- / 13.470	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.470	
Subtotal: Non-Recurring	- / 13.470	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.470	
Subtotal: Training Devices (TADSS)	- / 13.470	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.470	
Modification Item 4 of 10: Power System Management													
A Kits													
Non-Recurring													
Power System Mods	502 / 6.815	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	502 / 6.815	
Subtotal: Non-Recurring	502 / 6.815	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	502 / 6.815	
Subtotal: Power System Management	502 / 6.815	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	502 / 6.815	
Modification Item 5 of 10: Durability Modification													
A Kits													

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Exhibit P-3a, Individual Modification: PB 2025 Army										Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20				P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications						Modification Number / Title: GC0401 / M119 Modifications			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: M119A3 Howitzer				Modification Type: Increase Performance				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Non-Recurring													
Spades	- / 2.335	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.335	
Fire Control Computer Thumbsticks	- / 1.658	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.658	
Titanium Firing Platforms	502 / 24.769	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	502 / 24.769	
Fire Control Computer Cover	- / 1.443	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.443	
Subtotal: Non-Recurring	502 / 30.205	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	502 / 30.205	
Subtotal: Durability Modification	502 / 30.205	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	502 / 30.205	
Modification Item 6 of 10: Retrofit and Composite Fielding Activities													
A Kits													
Recurring													
Retrofit and Composite Fielding Activiti	- / 88.543	- / -	- / -	- / 1.300	- / -	- / 1.300	- / 1.258	- / 1.198	- / 1.210	- / 1.574	Continuing	Continuing	
Subtotal: Recurring	- / 88.543	- / -	- / -	- / 1.300	- / -	- / 1.300	- / 1.258	- / 1.198	- / 1.210	- / 1.574	Continuing	Continuing	
Subtotal: Retrofit and Composite Fielding Activities	- / 88.543	- / -	- / -	- / 1.300	- / -	- / 1.300	- / 1.258	- / 1.198	- / 1.210	- / 1.574	Continuing	Continuing	
Modification Item 7 of 10: Program Management													
A Kits													
Recurring													
Program Management	- / 3.314	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.314	
Subtotal: Recurring	- / 3.314	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.314	
Subtotal: Program Management	- / 3.314	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.314	
Modification Item 8 of 10: Software, Cyber Security													
A Kits													
Non-Recurring													
Blast Over Pressure Mitigation Software	- / 3.778	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.778	
RSAM	- / 0.683	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.683	
Subtotal: Non-Recurring	- / 4.461	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.461	
Subtotal: Software, Cyber Security	- / 4.461	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.461	
Modification Item 9 of 10: Digital Fire Control Tech Refresh													
A Kits													
Non-Recurring													
Software Defined Radio	- / 5.266	- / 2.263	493 / 13.097	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	493 / 20.626	

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Exhibit P-3a, Individual Modification: PB 2025 Army										Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20					P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications					Modification Number / Title: GC0401 / M119 Modifications			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: M119A3 Howitzer				Modification Type: Increase Performance				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
DFCS Upgrades	- / -	- / -	- / -	144 / 8.550	- / -	144 / 8.550	- / -	- / -	- / -	- / -	- / -	144 / 8.550	
<i>Subtotal: Non-Recurring</i>	- / 5.266	- / 2.263	493 / 13.097	144 / 8.550	- / -	144 / 8.550	- / -	- / -	- / -	- / -	- / -	637 / 29.176	
<i>Subtotal: Digital Fire Control Tech Refresh</i>	- / 5.266	- / 2.263	493 / 13.097	144 / 8.550	- / -	144 / 8.550	- / -	- / -	- / -	- / -	- / -	637 / 29.176	
Modification Item 10 of 10: Assured Position, Navigation and Timing (A-PNT)													
A Kits													
Recurring													
Procurement	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 7.875	72 / 8.296	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 7.875	72 / 8.296	Continuing	Continuing	
Non-Recurring													
Integration	- / -	- / -	- / -	- / 2.973	- / -	- / 2.973	- / 3.384	- / 3.227	- / -	- / -	- / -	- / 9.584	
<i>Subtotal: Non-Recurring</i>	- / -	- / -	- / -	- / 2.973	- / -	- / 2.973	- / 3.384	- / 3.227	- / -	- / -	- / -	- / 9.584	
<i>Subtotal: Assured Position, Navigation and Timing (A-PNT)</i>	- / -	- / -	- / -	- / 2.973	- / -	- / 2.973	- / 3.384	- / 3.227	72 / 7.875	72 / 8.296	Continuing	Continuing	
<i>Subtotal: Procurement, All Modification Items</i>	2,008 / 396.741	36 / 22.391	493 / 13.097	144 / 12.823	- / -	144 / 12.823	- / 4.642	- / 4.425	72 / 9.085	72 / 9.870	Continuing	Continuing	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	396.741	22.391	13.097	12.823	-	12.823	4.642	4.425	9.085	9.870	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications			Modification Number / Title: GC0401 / M119 Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 1 of 10: Digitization							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 11			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications			Modification Number / Title: GC0401 / M119 Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 2 of 10: Recoil Capability Package							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 2			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic						Installation Quantity: 0	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications			Modification Number / Title: GC0401 / M119 Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 3 of 10: Training Devices (TADSS)							
Manufacturer Information							
Manufacturer Name: Organic				Manufacturer Location: Various			
Administrative Leadtime (in Months): 9				Production Leadtime (in Months): 1			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications			Modification Number / Title: GC0401 / M119 Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 4 of 10: Power System Management							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 2			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications			Modification Number / Title: GC0401 / M119 Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 5 of 10: Durability Modification							
Manufacturer Information							
Manufacturer Name: Howmet Corporation				Manufacturer Location: Hampton, VA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 14			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications			Modification Number / Title: GC0401 / M119 Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 6 of 10: Retrofit and Composite Fielding Activities							
Manufacturer Information							
Manufacturer Name: Loyal Source Government Services				Manufacturer Location: Various			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 2			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates	Jan 2023	Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028	Jan 2029
Delivery Dates	Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	Mar 2028	Mar 2029
Installation Information							
Method of Implementation (Organic): Contractor and Organic					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications			Modification Number / Title: GC0401 / M119 Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 7 of 10: Program Management							
Manufacturer Information							
Manufacturer Name: NA				Manufacturer Location: NA			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications			Modification Number / Title: GC0401 / M119 Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 8 of 10: Software, Cyber Security							
Manufacturer Information							
Manufacturer Name: NA				Manufacturer Location: NA			
Administrative Leadtime (in Months): 5				Production Leadtime (in Months):			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications			Modification Number / Title: GC0401 / M119 Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 9 of 10: Digital Fire Control Tech Refresh							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 9			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates	Jan 2023	Jan 2024	Jan 2025				
Delivery Dates	Oct 2023	Oct 2024	Oct 2025				
Installation Information							
Method of Implementation (Organic): Organic					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2025 Army						Date: March 2024	
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 20			P-1 Line Item Number / Title: 3640GC0401 / M119 Modifications			Modification Number / Title: GC0401 / M119 Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 10 of 10: Assured Position, Navigation and Timing (A-PNT)							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Contract Dates			Dec 2024	Dec 2025	Dec 2026	Dec 2027	Dec 2028
Delivery Dates			Dec 2025	Dec 2026	Dec 2027	Dec 2028	Dec 2029
Installation Information							
Method of Implementation (Organic): Contracts					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 20: Mod of Weapons and Other Combat Veh	P-1 Line Item Number / Title: 7054G02100 / Mortar Modification
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	138.180	-	0.423	-	-	-	-	-	-	-	-	138.603
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	138.180	-	0.423	-	-	-	-	-	-	-	-	138.603
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	138.180	-	0.423	-	-	-	-	-	-	-	-	138.603

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Mortar System Modification provides 60mm Lightweight M224A1, 81mm Lightweight M252A1 and 120mm M120A1/M121 mortar weapon systems modification to support current and modernized mounted and dismounted platforms and enables the replacement of aging/obsolete major system components and subcomponents including Basic Issue Items (BII) kits, Additional Authorized List (AAL) items, Modified Work Order (MWO) kits, Engineering Change Proposals (ECPs), Technical Data Packages (TDPs), etc. These modification efforts increase producibility, manufacturability and procurement of required assets within the United States industrial base, supporting higher firing pressures, integration of new components for system accuracy, reliability, and enable better tracking cannon service life and address obsolescence and/or technical issues related to weapon system safety.

Mortar Modification does not have a FY 2025 budget request.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.423	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.423	-	-	-	-	-	-

Justification:

There is no FY 2025 budget request for this funding line.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 30: Support Equipment & Facilities	P-1 Line Item Number / Title: 1862GL3200 / Items Less Than \$5.0m (WOCV-WTCV)
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	162.589	5.271	1.148	1.031	-	1.031	2.185	2.189	2.191	2.214	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	162.589	5.271	1.148	1.031	-	1.031	2.185	2.189	2.191	2.214	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	162.589	5.271	1.148	1.031	-	1.031	2.185	2.189	2.191	2.214	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program supports the Army Modernization priorities (Build a More Lethal Force) through enhancement of Joint Lethality in contested environments by minimizing and eliminating erosion of close combat capability relative to peer competitors in complex terrain as outlined in the National Defense Strategy (NDS). Program provides for the procurement and fielding of standard and non-standard small arms to include auxiliary components such as tripods, combat optics, protective lens coatings for optics, fire controls, suppressors, powered/ intelligent rails, weapon mounts/platforms, and adaptors and to meet urgent needs or initial buys. Weapons and auxiliary components procured under this budget activity in prior years consist of MK48 Machine Guns, Modular Handgun System (MHS) and associated Basic Issue Items (BI), M500 Mossberg Shotguns, MP5KA and APC9K Submachine Guns, as well as non-standard weapons. The program included magazines, clamps, holsters, slings, lanyards, spare parts, cleaning kits and other weapon components.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	5.271	1.148	1.031	-	1.031	2.185	2.189	2.191	2.214
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	5.271	1.148	1.031	-	1.031	2.185	2.189	2.191	2.214

Justification:

FY 2025 Base procurement dollars in the amount of \$1.031 million supports the Active Army by providing funding for the procurement, fielding, training, and safety assessments of various Standard and Non-Standard Weapons and accessories. These weapons are required to facilitate training of U.S. Army and foreign security forces on host nation weapon systems. Funding will purchase Non-Standard weapons to support the Regionally Aligned Forces (RAF), Security Force Assistance Brigades, International Special Training Center (ISTC), Security Force Assistance Foreign Weapons Course, and the Military Advisor Training Academy. Funding will support the Army Marksmanship Unit (AMU) and National Guard to include Biathlon Teams to maintain and procure the specialized target rifles/accessories, standard and non-standard caliber Pistols, Rifles, Shot Guns, Machine Guns, Grenade Launchers, and Shooting glasses and scopes. Includes limited distribution weapons/accessories such as world class Olympic Grade marksmanship weapons and accessories to support the AMU as needed. Replica guns and/or pistols and accessories to support the 11th Armored Cavalry Regiment (ACR) for ceremonies. Air Rifles to support Police/Provost Marshal Division to assist with varmint control. Additionally, funding will support the Squad Designated Marksmen Rifle (SDMR) with gages, tool kits sets, and other accessory components.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 30: Support Equipment & Facilities		P-1 Line Item Number / Title: 1862GL3200 / Items Less Than \$5.0m (WOCV-WTCV)
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

The FY 2023 actuals for base include \$3.134 million emergency supplemental funding to support the procurement of replacement weapons transferred to Ukraine in support of the international effort to counter Russian aggression.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 30: Support Equipment & Facilities	P-1 Line Item Number / Title: 3270GC0050 / Production Base Support (WOCV-WTCV)
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	530.105	228.171	115.024	135.591	-	135.591	105.878	78.237	347.031	367.503	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	530.105	228.171	115.024	135.591	-	135.591	105.878	78.237	347.031	367.503	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	530.105	228.171	115.024	135.591	-	135.591	105.878	78.237	347.031	367.503	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program provides funding to establish, modernize, expand, or replace Army-owned industrial facilities and equipment used in production and production testing of Weapons and Tracked Combat Vehicles (WTCV) and their components. The program also provides for the preserving, storing, and disposing for facilities and equipment that are either not required for current active production or are not needed by the Army.

Production Base Support occurs at Watervliet Arsenal (WVA) in Watervliet, NY, the Joint Systems Manufacturing Center (JSMC) in Lima, OH, the Joint Manufacturing and Technology Center (JMTC) at Rock Island Arsenal (RIA), IL, Selfridge Air National Guard Base (SANG) located in Harrison Township, MI, and BAE Systems Vehicle Upgrade and Overhaul Center (VUOC) located in Sterling Heights, MI, Anniston, AL, and York, PA. This program also provides funding for the Arsenal 5-Year Plan(s) for maintaining and modernizing the Industrial Base.

This program also provides funding to the Army Test and Evaluation Command (ATEC) to establish, modernize, expand, or replace test facilities used in production testing of Weapons and Tracked Combat Vehicles and their components. It sustains Army production test capabilities through upgrade and replacement of instrumentation and equipment that is technologically and/or economically obsolete.

Modernization of test instrumentation and equipment provides increased automation and efficiencies, improved data quality and quantity and cost avoidance to Army Program Managers. Programmed funding will be used to upgrade or replace production test instrumentation and equipment at Aberdeen Test Center (ATC), Aberdeen Proving Ground, MD; White Sands Test Center (WSTC), White Sands Missile Range, NM, and Yuma Test Center (YTC), Yuma Proving Ground, AZ.

Secondary Distribution		FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	228.171	115.024	135.591	-	135.591	105.878	78.237	347.031	367.503
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	228.171	115.024	135.591	-	135.591	105.878	78.237	347.031	367.503

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity:
 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 30: Support Equipment & Facilities **P-1 Line Item Number / Title:**
 3270GC0050 / Production Base Support (WOCV-WTCV)

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Project Schedule		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Project	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)
(Uncategorized)		-	228.171	115.024	135.591	-	135.591
	Joint Systems Manufacturing Center (JSMC) - Lima	-	-	60.306	87.018	-	87.018
P-25	JSMC001 - JSMC Miscellaneous Small Projects	-	-	16.263	32.216	-	32.216
P-25	JSMC022 - Rehabilitate Hardstand Pavement	-	-	1.061	-	-	-
P-25	JSMC023 - B147 Replace Drag Line	-	-	1.180	-	-	-
P-25	JSMC024 - Replace Fire Sprinkler System Components	-	-	3.609	-	-	-
P-25	JSMC025 - Structural Repair of B142	-	-	1.785	-	-	-
P-25	JSMC026 - 480V Substation Work	-	-	1.817	-	-	-
P-25	JSMC027 - Upgrade Cranes CO0112 and CO0431 Turret Line Station 0	-	-	1.850	-	-	-
P-25	JSMC028 - Replacement of Government Owned Mobile Equipment (Forklifts, Walk behind, Pallet Jack)	-	-	1.500	-	-	-
P-25	JSMC030 - B147 Shaw Box Overhead Cranes	-	-	5.000	-	-	-
P-25	JSMC031 - Building 351 Outside Utilities Replacement	-	-	6.857	-	-	-
P-25	JSMC032 - Replace (2) Turret Machines (TM) TM006/TM007	-	-	7.909	-	-	-
P-25	JSMC033 - Building 147 South Side Underground Infrastructure Improvement	-	-	8.570	-	-	-
P-25	JSMC035 - Electronic Fabrication & Assembly Inspection	-	-	0.952	-	-	-
P-25	JSMC036 - Electronic Final Inspection Records	-	-	0.976	-	-	-
P-25	JSMC037 - Level/Alignment of Hull Machines (HM) HM0035 & HM0036	-	-	0.977	-	-	-
P-25	JSMC041 - Replace HML South Transfer & Coolant System	-	-	-	8.762	-	8.762
P-25	JSMC042 - Machining Upgrade HM0035 A&B	-	-	-	20.813	-	20.813
P-25	JSMC043 - Machining Upgrade HM0036	-	-	-	11.000	-	11.000
P-25	JSMC044 - B266/B281 Underground Utilities Upgrades	-	-	-	12.000	-	12.000
P-25	JSMC045 - Digital Engineering / Digital Manufacturing	-	-	-	1.000	-	1.000
P-25	JSMC046 - Plate Processing - SB10 Shotblast Machine Replacement	-	-	-	1.227	-	1.227
	Rock Island Arsenal - Joint Manufacturing and Technology Center (RIA-JTMC)	-	-	18.222	13.600	-	13.600
P-25	JMTC006 - JMTC Miscellaneous Small Projects	-	-	1.750	1.000	-	1.000
P-25	JMTC007 - Flexible Plating Line	-	-	1.236	-	-	-
P-25	JMTC008 - Sand Handling System	-	-	1.236	-	-	-
P-25	JMTC009 - Upgrade Existing Paint Booths	-	-	4.500	-	-	-
P-25	JMTC010 - Sand Printing Package	-	-	2.000	-	-	-
P-25	JMTC011 - Large, Multi-Axis Machining	-	-	7.500	-	-	-
P-25	JMTC012 - Coreless Induction Furnace	-	-	-	2.300	-	2.300
P-25	JMTC013 - Melt Furnace With Advanced Refinement	-	-	-	10.300	-	10.300
	Selfridge Air National Guard (SANG) Base	-	-	-	7.500	-	7.500
P-25	SANG002 - High-Bays Design Charrette	-	-	-	4.500	-	4.500

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity:
 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 30: Support Equipment & Facilities **P-1 Line Item Number / Title:**
 3270GC0050 / Production Base Support (WOCV-WTCV)

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Project Schedule		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Project	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)
P-25	SANG003 - High-Bays Site Preparation	-	-	-	3.000	-	3.000
	Watervliet Arsenal (WVA)	-	224.383	32.680	4.901	-	4.901
P-25	WVA0008 - Radial Forge Replacement	-	65.000	-	-	-	-
P-25	WVA0009 - Electro-Chemical Machining System for Cannon Rifling	-	10.000	-	-	-	-
P-25	WVA0010 - Hex-Trivalent Process Verification	-	3.850	-	-	-	-
P-25	WVA0011 - Rifled WaterJet and Verification	-	10.000	-	-	-	-
P-25	WVA0012 - ECM Facility Transition (Rifled Tubes)	-	4.500	-	-	-	-
P-25	WVA0013 - ECM Tooling and Profile Verification	-	4.200	-	-	-	-
P-25	WVA0014 - Convert disused Hexavalent Chrome plating facility to Trivalent Chrome	-	7.000	-	-	-	-
P-25	WVA0015 - Chrome Tooling (Anodes & Cathodes)	-	3.000	-	-	-	-
P-25	WVA0016 - Rifled Cold-Spray System (Spindle Lathe, Facilities, System)	-	14.250	-	-	-	-
P-25	WVA0017 - Anodize Line (Reconstitute in-house process)	-	2.000	-	-	-	-
P-25	WVA0018 - Cannon Production High Voltage Substation Modernization	-	3.000	-	-	-	-
P-25	WVA0019 - Inspection Gauges - XM35	-	1.893	-	-	-	-
P-25	WVA0020 - Cannon Billet Pre-Heat Induction Furnace System	-	7.000	-	-	-	-
P-25	WVA0021 - Guided Bore System for ERCA Length Cannon	-	10.000	-	-	-	-
P-25	WVA0022 - External Cylindrical Grinder	-	3.400	-	-	-	-
P-25	WVA0023 - Overhead Cannon Transport Crane Modernization (Buildings 20, 35, 220, and 135)	-	17.000	-	-	-	-
P-25	WVA0024 - ERCA Vertical Turning Lathe Set (Breech Manufacture)	-	6.800	-	-	-	-
P-25	WVA0026 - Cannon Production High Voltage Power Distribution Modernization	-	10.000	-	-	-	-
P-25	WVA0027 - WVA Miscellaneous Small Projects	-	4.268	2.680	1.201	-	1.201
P-25	WVA0035 - Horizontal Milling Center	-	1.000	-	-	-	-
P-25	WVA0037 - Excess Equipment, Floor Repairs, Relocate Equipment	-	0.971	-	-	-	-
P-25	WVA0038 - Filament Winder 1/2 (120mm Bore Evacuator)	-	1.000	-	-	-	-
P-25	WVA0039 - Filament Winder 2/2 (120mm Bore Evacuator)	-	1.000	-	-	-	-
P-25	WVA0040 - 2nd M256 Cold Spray System	-	4.400	-	-	-	-
P-25	WVA0041 - ID Grinder 1/2	-	2.850	-	-	-	-
P-25	WVA0042 - ID Grinder 2/2	-	2.850	-	-	-	-
P-25	WVA0043 - Hone 1/2	-	0.900	-	-	-	-
P-25	WVA0044 - Hone 2/2	-	0.900	-	-	-	-
P-25	WVA0045 - M256 Waterjet	-	3.200	4.200	-	-	-
P-25	WVA0046 - M256 Waterjet Foundation	-	1.000	-	-	-	-
P-25	WVA0047 - Gymnasticator	-	2.200	-	-	-	-
P-25	WVA0049 - Horizontal Machining Center	-	1.000	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity:
2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 30: Support Equipment & Facilities

P-1 Line Item Number / Title:
3270GC0050 / Production Base Support (WOCV-WTCV)

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Project Schedule		Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Project	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)	Total Cost (\$ M)
P-25	WVA0050 - Hollow Spindle Lathe	-	6.000	-	-	-	-
P-25	WVA0059 - WVA Chrome Plating Operations	-	7.951	-	-	-	-
P-25	WVA0051 - Two (2) Surface Grinders	-	-	3.200	-	-	-
P-25	WVA0052 - Tube Runout Table	-	-	1.200	-	-	-
P-25	WVA0053 - Wire Electric Discharge Machine	-	-	1.400	-	-	-
P-25	WVA0054 - Quality Control Inspection Equipment	-	-	5.400	-	-	-
P-25	WVA0055 - Tri-Chrome Conversion	-	-	9.400	2.700	-	2.700
P-25	WVA0056 - Cannon Preform Advanced Material Purchase	-	-	1.200	-	-	-
P-25	WVA0057 - Minor Plating Reconstitution	-	-	4.000	-	-	-
P-25	WVA0060 - Cold Spray Smooth Bore Qualification	-	-	-	1.000	-	1.000
	BAE Systems Vehicle Upgrade and Overhaul Center (VUOC)	-	-	-	18.737	-	18.737
P-25	BAE002 - M88 Hull Tech Data	-	-	-	18.737	-	18.737
	Army Test and Evaluation Command (ATEC) Facilities	-	3.788	3.816	3.835	-	3.835
P-25	ATEC - ATEC Facilities	-	3.788	3.816	3.835	-	3.835
Total Gross/Weapon System Cost		-	228.171	115.024	135.591	-	135.591

*For the P-17 and P-25, the Project column displays a three-level indentation: Project Category (e.g., Environmental), followed by the Facility, followed by the Project Name. Exhibits with no Project Category are included under the "Uncategorized" category. For the P-26, the Project column displays a two-level indentation: Project Type (e.g., Inactive Plants, Inactive Lines at Contractor Plants and Inactive Lines at Active Plants), followed by the Facility. Note also that although all P-17, P-25 and P-26 projects are shown in the project schedule, not all projects will have a corresponding exhibit. A P-17 or P-25 exhibit is only included if data beyond the Project Number, Project Title and Cost are included (for example: for the P-17, Description, Manufacturer, etc.; for the P-25, Narrative Explanation, Cost Elements, Principle Milestones, etc.). A P-26 exhibit is only included if data beyond Project Type and Total Cost are included (for example, Description, Contractor, Maintenance/Recurring/Environmental/Other costs, etc.).

Justification:
FY 2025 Base procurement dollars in the amount of \$135.591 million supports Army Production Base Support activities at Watervliet Arsenal (WVA) in Watervliet, NY, the Joint Systems Manufacturing Center (JSMC) in Lima, OH, the Joint Manufacturing and Technology Center (JMTC) at Rock Island Arsenal (RIA), IL, Selfridge Air National Guard Base (SANG) located in Harrison Township, MI, BAE Systems Vehicle Upgrade and Overhaul Center (VUOC) located in Sterling Heights, MI, Anniston, AL, and York, PA, and the Army Test and Evaluation Command (ATEC). This funding line is shared amongst multiple programs (Project Manager (PM) Abrams, PM Self-Propelled Howitzers (SPHS), PdD (Product Director) Combat Recovery Systems (CRS), and ATEC).

The significant investment in WVA, JSMC, JMTC, SANG, BAE VUOC, and ATEC is due to aging infrastructure and the increased organic industrial base capabilities, the manufacturing of equipment, and facility improvements. The objective is to advance industrial base capabilities in order to implement risk mitigation strategies that ensure production capacities meet required aggregate demand.

The activities of the Army Production Base Support are as follows:

Production Base Support activities:

- Joint Systems Manufacturing Center (JSMC) - Lima, OH: \$87.018 million supports organic industrial base upgrades and improvement at JSMC to optimize Abrams production. Major efforts include replacement of end-of-life equipment and production infrastructure used in the manufacture of Abrams tanks, modernization of equipment and infrastructure used, and upgrade of real property at JSMC.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 30: Support Equipment & Facilities		P-1 Line Item Number / Title: 3270GC0050 / Production Base Support (WOCV-WTCV)
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>- Joint Manufacturing and Technology Center (JMTC) - Rock Island, IL: \$13.600 million supports organic industrial base upgrades and improvements at RIA to optimize production. Major efforts include furnace updates and electrical upgrades.</p> <p>- Selfridge Air National Guard (SANG) Base - Harrison Township, MI: \$7.500 million supports the high-bays design charrette and preparations for Abrams Modernization with dedicated secret and above secret clearance areas for personnel and vehicles.</p> <p>- Watervliet Arsenal (WVA) - Watervliet, NY: \$4.901 million supports organic industrial base upgrades and improvements at WVA. Major efforts include the equipment and conversion from hexavalent chromium plating to trivalent chromium plating.</p> <p>- BAE Systems Vehicle Upgrade and Overhaul Center (VUOC) - Sterling Heights, MI; Anniston, AL; York, PA: \$18.737 million supports the industrial base and providing a means to mitigate lack of hulls for M88A3 production.</p> <p>Army Test and Evaluation Command (ATEC): \$3.835 million supports:</p> <p>- Aberdeen Test Center (ATC) continued modernization of fire control instrumentation required to assess weapon system fire control performance on a wide range of test items. Aberdeen Test Center will continue replacing and upgrading weapon, sight, and target scoring high-definition video cameras, recorders, digital video processing systems, fiber optic converters, and telemetry systems. Replacement equipment is scheduled to address obsolescence issues, software compatibility gaps, and deterioration of existing hardware while ensuring test equipment maintains pace with technological advances of test items to preclude lack of test support. Aberdeen Test Center will also procure new instrumentation that will allow Electromagnetic Interference (EMI) testing of current and future military platforms, including autonomous vehicles.</p> <p>- White Sands Test Center (WSTC), ATEC will continue to maintain and upgrade existing equipment and instrumentation for the developing and evolving White Sands Missile Range (WSMR) to include directed energy, High-Power Microwave (HPM), Electromagnetic Pulse (EMP) and lightning effects test simulators. These items include sensors, oscilloscopes, fiber optic links, vacuum systems, cryogenic superconducting magnets, waveguides, antennas, cathodes, insulators, and various cabling and subassemblies. These efforts will help the White Sands Test Center meet regulatory, customer, and/or evolving mission requirements.</p> <p>- Yuma Test Center (YTC) will acquire upgrades sensors, sensor positioning equipment, control hardware, signal conditioners, and other data acquisition equipment and software to modernize and improve accuracy and efficiency of ballistics data acquisition.</p>		

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: JSMC Miscellaneous Small Projects **Project Number:** JSMC001 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	8.227	-	8.227	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	4.517	10.000	-	10.000							
C. Equipment Installation Cost	-	4.618	5.989	-	5.989							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	7.128	8.000	-	8.000							
Total Project Cost	-	16.263	32.216	-	32.216							
							Related Projects					
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$32.216 million supports the Abrams Tank Production Process and Abrams Industrial Base by focusing on maintaining improving, optimizing, and modernizing the manufacturing facilities, infrastructure, production equipment, production support equipment, and digital acquisition infrastructure and data storage located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. This includes multiple projects which are individually estimated at less than \$1.000 million.

FY 2024 Base procurement dollars estimated in the amount of \$16.263 million support the Abrams Tank Production Process and Abrams Industrial Base by focusing on maintaining improving, optimizing, and modernizing the manufacturing facilities located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. These small projects include, but are not limited to: rehabilitation and modernization of office spaces in various buildings on the property; perimeter fence clearing, zone spraying, and dead tree cutting; refurbishing and modernizing bridge ports and the manufacturing center; replacing, modernizing, and updating equipment (i.e., bump course controls, air conditioners, heat recovery units, steam & condensate lines, forklifts, concrete, cranes, etc.) that are past their useful life and/or have been in service for over 20 years. No JSMC Miscellaneous Small Project funding was requested in FY 2023. This was due to available funding levels within the Production Base Support line and FY 2023 priority requirements supporting the Extended Range Cannon Artillery production base at Watervliet Arsenal supporting and the Army's modernization priorities.

FY 2024 funding request supports JSMC projects that were deferred from FY 2023 to FY 2024 as well as projects originally planned for execution in FY 2024 (approximately \$7-8 million per year).

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Rehabilitate Hardstand Pavement **Project Number:** JSMC022 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	1.061	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	1.061	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:

There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars estimated in the amount of \$1.061 million support the replacement of large portions of the hardstand located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. This is used for the delivery and shipment of material throughout the facility at JSMC. The pavement is past its useful life and has increasing repair costs. This project will allow new pavement which will be designed to handle the new weight of the vehicles being operated.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: B147 Replace Drag Line **Project Number:** JSMC023 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO														
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:														
B. Equipment Cost	-	1.000	-	-	-															
C. Equipment Installation Cost	-	0.180	-	-	-															
D. Contractor Support Cost	-	-	-	-	-															
E. Corps of Engineers Support Cost	-	-	-	-	-															
F. Other In-House Support Cost	-	-	-	-	-															
G. Total Facility Project Cost	-	-	-	-	-															
H. Other Costs	-	-	-	-	-															
Total Project Cost	-	1.180	-	-	-															
						Related Projects														
						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 10%;">FY & Appn</th> <th style="width: 10%;">Value (\$ M)</th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date														

Narrative Explanation:

There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars in the amount of \$1.180 million supports the replacement of the drag line in building 147 (B147) which is responsible for moving the assembly line during production located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. It is at the end of its useful life and is showing signs of failure. The drag line uses two large and equally long chains that drag a bar that pulls the tanks, hulls, turrets, etc. through multiple stations on the assembly line during the production process. The chains throughout this process have come out of alignment and have become increasingly difficult to move forward during production. This replacement will allow for reduced downtime and updated capacity to effectively move structures down the assembly line efficiently at JSMC.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Replace Fire Sprinkler System Components **Project Number:** JSMC024 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	3.609	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	3.609	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:

There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars estimated in the amount of \$3.609 million supports the procurement and installation of 50-year-old fire sprinkler components located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. Majority of the fire sprinkler systems on site are over 50 years in age which is causing increasing failures throughout the facility. This project will decrease leaks, potential failure, and allow for minimal production impacts. This replacement will allow for systems to be updated when the replacement is completed.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Structural Repair of B142 **Project Number:** JSMC025 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	1.300	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	0.485	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	1.785	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars estimated in the amount of \$1.785 million supports the design and construction of many structural and masonry issues with building 142 (B142) located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. Some issues are not structural in nature, but they allow the outside elements into the building. An outside engineering firm was brought on site to review the conditions of B142. This building needs to have some structural repairs done. These include the six (6) main areas which will bring the existing building up to be structurally safe and allow for continual operation. This building provides all compressed air and steam for the plant which directly supports main production buildings at JSMC.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: 480V Substation Work **Project Number:** JSMC026 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO																										
						Principal Milestones						Month & Year																				
A. Construction Cost	-	-	-	-	-	Concept Design Complete:																										
B. Equipment Cost	-	1.600	-	-	-	Final Design Complete:																										
C. Equipment Installation Cost	-	0.217	-	-	-	Initial/Final Project Award:																										
D. Contractor Support Cost	-	-	-	-	-	Construction Complete:																										
E. Corps of Engineers Support Cost	-	-	-	-	-	Equipment Installation Complete:																										
F. Other In-House Support Cost	-	-	-	-	-	Prove Out Begins:																										
G. Total Facility Project Cost	-	-	-	-	-	Prove Out Complete:																										
H. Other Costs	-	-	-	-	-	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th align="center" colspan="7">Related Projects</th> </tr> <tr> <th align="center">Project Number</th> <th align="center">Title</th> <th align="center">FY & Appn</th> <th align="center">Value (\$ M)</th> <th align="center">Facing</th> <th align="center">Start Date</th> <th align="center">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						Related Projects							Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Related Projects																																
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date																										
Total Project Cost	-	1.817	-	-	-																											

Narrative Explanation:

There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars estimated in the amount of \$1.817 million support the replacement of 480-volt substation located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. This project will allow for clean uninterrupted power to the production process. While completing this replacement, it will reduce safety hazards by reducing the plant arc flash rating on the affected power distribution equipment.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Upgrade Cranes CO0112 and CO0431 Turret Line Station 0 **Project Number:** JSMC027 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	1.090	-	-	-							
C. Equipment Installation Cost	-	0.760	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	1.850	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars estimated in the amount of \$1.850 million supports the removal of obsolete equipment and the installation of new cranes CO0112 and CO0431, used at Turret Line Station 0 located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. This will reduce the amount of downtime to assembly tasks at this station because of the age of existing equipment.

UNCLASSIFIED

Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Replacement of Government Owned Mobile Equipment (Forklifts, Walk behind, Pallet Jack) **Project Number:** JSMC028 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	1.500	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	1.500	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars estimated in the amount of \$1.500 million support the replacement of government owned mobile equipment on site that directly supports production located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. The equipment is the primary way that all material is delivered to the line during production activities. The equipment is at the end of its useful life and is requiring increased maintenance costs and obsolescence.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: B147 Shaw Box Overhead Cranes **Project Number:** JSMC030 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	3.200	-	-	-							
C. Equipment Installation Cost	-	1.800	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	5.000	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars estimated in the amount of \$5.000 million supports the required replacement of large shaw box cranes located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. The cranes serve as the primary way of moving material during the production process throughout the facility. The replacement and modernization of these cranes allow us to avoid increasing maintenance cost along with allowing for us to correct safety concerns with the cranes during inspections.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Building 351 Outside Utilities Replacement **Project Number:** JSMC031 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	6.857	-	-	-							
Total Project Cost	-	6.857	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars estimated in the amount of \$6.857 million support the required renovation and upgrade of Building 351 outside utilities replacement at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. The piping around the production building is part of the underground utility infrastructure designed and installed decades ago. Which includes several various utilities used for production and site operations. Failure repairs have increased over the past several years and the piping has reached its expected service life. The increase in failures has caused production impacts and decreased production efficiency.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Replace (2) Turret Machines (TM) TM006/TM007 **Project Number:** JSMC032 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	5.200	-	-	-							
D. Contractor Support Cost	-	2.709	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	7.909	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars estimated in the amount of \$7.909 million supports the removal of obsolete equipment and the procurement and installation of turret machining equipment on the production line located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. This project will also make improvements to the workspace required to install the new equipment. This equipment provides large machining capability which will be instrumental in modernizing the machining capability while reducing downtime during current production.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Building 147 South Side Underground Infrastructure Improvement **Project Number:** JSMC033 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO					
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:					
B. Equipment Cost	-	-	-	-	-						
C. Equipment Installation Cost	-	-	-	-	-						
D. Contractor Support Cost	-	-	-	-	-						
E. Corps of Engineers Support Cost	-	-	-	-	-						
F. Other In-House Support Cost	-	-	-	-	-						
G. Total Facility Project Cost	-	-	-	-	-						
H. Other Costs	-	8.570	-	-	-						
Total Project Cost	-	8.570	-	-	-						
Related Projects											
	Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date				

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars estimated in the amount of \$8.570 million support the required renovation and upgrade of Building 147 (B147) south side underground infrastructure improvements at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. The piping around the south side of B147 is part of the underground utilities infrastructure designed and installed decades ago. Which includes several various utilities used for production and site operations. Failure repairs have increased over the past several years and the piping has reached its expected service life. The increase in failures has caused production impacts and decreased production efficiency.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Electronic Fabrication & Assembly Inspection **Project Number:** JSMC035 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	0.952	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	0.952	-	-	-							
											Related Projects	
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars estimated in the amount of \$0.952 million support the project to take existing manual fabrication and assembly inspections paper processes throughout the Joint Systems Manufacturing Center (JSMC) and transform electronically recorded information into one (1) central software. This migration from manual process to electronically recorded process with a final inspection is a planned reduction of 3-4% of standard operating efficiency. The project will allow for in-process asset tracking to improve quality and accountability which will modernize the facilities flexibility and capability for future army plans.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Electronic Final Inspection Records **Project Number:** JSMC036 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	0.976	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	0.976	-	-	-							
											Related Projects	
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars estimated in the amount of \$0.976 million support the project of taking the existing manual paper final inspection processes throughout the Joint Systems Manufacturing Center (JSMC) and transform electronically recorded information into one (1) central software. This migration from manual processes to electronically recorded processes with a final inspection is a planned reduction of 3-4% of standard operating efficiency. The project will allow for in-process asset tracking to improve quality and accountability which will modernize the facilities flexibility and capability for future Army plans.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Level/Alignment of Hull Machines (HM) HM0035 & HM0036 **Project Number:** JSMC037 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	0.700	-	-	-							
C. Equipment Installation Cost	-	0.277	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	0.977	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars estimated in the amount of \$0.977 million support the level and alignment of hull machines (HM) #0035 and #0036 that are a part of the heavy machining line (HML) and their transport system located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. This is repeated every two years to maintain the accuracy of the machine outputs. The equipment wear will start to build compounding errors in the bearing races and machined surfaces and those errors will be reflected in the quality of the machining work that the equipment can complete. This work will keep the machined surfaces square and true which allows for production quality and reduced potential downtime.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Replace HML South Transfer & Coolant System **Project Number:** JSMC041 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:	Related Projects					
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	8.762	-	8.762							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	-	8.762	-	8.762							
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$8.762 million supports refurbishment of pallet transfer system and replace the coolant filtration system on the South Hull Machining Line (HML) located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. Project includes refurbishment of bedways, rabbit systems, and clamping stations; replacement of hydraulic systems, electrical controls, HMIs, and coolant filtration systems; removal and disposal of Coolant System. Pallet transfer and coolant filtration systems on the south end of the HML were installed in 2007 and are nearing the end of their service life, frequently experiencing electrical and mechanical problems associated with deterioration. The north end for the HML was refurbished/replaced during the installation of HM0016 & HM0039 in 2023.

This project is a new start in FY 2025.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Machining Upgrade HM0035 A&B **Project Number:** JSMC042 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	20.813	-	20.813							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	-	20.813	-	20.813							
											Related Projects	
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$20.813 million supports the installation of new machines in the previous HM0035 A&B sites located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. This project includes removal and disposal of old machines, new machines, tool changer, head attachments, foundation, and all ancillary equipment. HM0035 A&B were placed in service in 2008 and are at the end of their service life, frequently experiencing electrical and mechanical problems associated with deterioration. The age of these machines results in part obsolescence which causes excess downtime and high maintenance costs. JSMC Horizontal Boring Mill Structure Machining on the Hull Machining Line is currently reliant on HM0016 A&B and HM0035 A&B.

This project is a new start in FY 2025.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Machining Upgrade HM0036 **Project Number:** JSMC043 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO							
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:							
B. Equipment Cost	-	-	-	-	-								
C. Equipment Installation Cost	-	-	11.000	-	11.000								
D. Contractor Support Cost	-	-	-	-	-								
E. Corps of Engineers Support Cost	-	-	-	-	-								
F. Other In-House Support Cost	-	-	-	-	-								
G. Total Facility Project Cost	-	-	-	-	-								
H. Other Costs	-	-	-	-	-								
Total Project Cost	-	-	11.000	-	11.000								
Related Projects							Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:

FY 2025 Base procurement dollars in the amount of \$11.000 million supports the installation of a new machine in the previous HM0036 site located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. This project includes removal and disposal of HM0036, new machine, tool changer, head attachments, foundation, and all ancillary equipment. HM0036 was placed in service in 2008 and is at the end of its service life, frequently experiencing electrical and mechanical problems associated with deterioration. The age of this machine results in part obsolescence which causes excess downtime and high maintenance cost. The JSMC Gantry Mill Structure Machining on the Hull Machining Line is currently reliant on HM0037 and HM0039.

This project is a new start in FY 2025.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: B266/B281 Underground Utilities Upgrades **Project Number:** JSMC044 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	12.000	-	12.000							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	-	12.000	-	12.000							
											Related Projects	
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$12.000 million supports the replacement of utilities to increase system reliability and allow for better isolation at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. The existing underground utilities are beyond their useful service life. Part of the system is original to the facility, dating back to the 1940s, while others were upgraded in the 1980s. There are numerous system failures due to age requiring frequent repairs. Numerous gate valves are non-functioning, preventing shutoff of services in the event of an emergency, increasing the time to shutoff the system, and isolating larger areas of the facility.

 This project is a new start in FY 2025.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Digital Engineering / Digital Manufacturing **Project Number:** JSMC045 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	1.000	-	1.000							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	-	1.000	-	1.000	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$1.000 million supports the modernization of the digital acquisition infrastructure and data storage for the Abrams tank manufacturing facility located at the Joint Systems Manufacturing Center (JSMC) - Lima, OH. This project will allow more visibility into production processes, add understanding of current bottlenecks, and inform future production technology and process improvements.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Plate Processing - SB10 Shotblast Machine Replacement **Project Number:** JSMC046 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Joint Systems Manufacturing Center (JSMC) - Lima Facility Location: Lima, OH Facility Type (GOGO, GOCO, COCO): GOCO					
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:					
B. Equipment Cost	-	-	-	-	-						
C. Equipment Installation Cost	-	-	1.227	-	1.227						
D. Contractor Support Cost	-	-	-	-	-						
E. Corps of Engineers Support Cost	-	-	-	-	-						
F. Other In-House Support Cost	-	-	-	-	-						
G. Total Facility Project Cost	-	-	-	-	-						
H. Other Costs	-	-	-	-	-						
Total Project Cost	-	-	1.227	-	1.227						
Related Projects											
	Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date				

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$1.227 million supports the replacement of the SB-10 Shotblast machine and all ancillary equipment. SB10 was originally placed in service in 1990 and the system frequently experiences electrical and mechanical problems associated with deterioration. The age of the machine results in part obsolescence which may cause downtime and high maintenance cost. The improved technology with blast wheels and direct drive motors is expected to improve plate processing quality as well as minimize maintenance. New design has flexible capability for future plant layout changes that may be associated with future capacity increases. A new shot blaster will last longer, require less maintenance, and have a warranty on the complete machine. Structural integrity with a new machine as well as modernization of the new machine technology will be built into the machine at the factory.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: JMTC Miscellaneous Small Projects **Project Number:** JMTC006 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Rock Island Arsenal - Joint Manufacturing and Technology Center (RIA-JTMC) Facility Location: Rock Island, IL Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	1.000	-	1.000							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	1.750	-	-	-							
Total Project Cost	-	1.750	1.000	-	1.000	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$1.000 million to support the Abrams Tank Production Process and Abrams Industrial Base by focusing on the modernization, maintenance, replacement, and upgrade of production equipment and production support equipment facilities located at Rock Island Arsenal Joint Manufacturing and Technology Center (RIA-JMTC) - Rock Island, IL. This includes multiple projects which are individually estimated at less than \$1.000 million and will facilitate small miscellaneous projects in support of RIA-JMTC melt furnace updates.

FY 2024 Base procurement dollars in the amount of \$1.750 million support the Abrams Tank Production Process and Abrams Industrial Base by focusing on maintaining, improving, optimizing, and modernizing the manufacturing facilities located at Rock Island Arsenal Joint Manufacturing and Technology Center (RIA-JMTC) - Rock Island, IL.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Flexible Plating Line **Project Number:** JMTC007 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Rock Island Arsenal - Joint Manufacturing and Technology Center (RIA-JTMC) Facility Location: Rock Island, IL Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	1.236	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	1.236	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars in the amount of \$1.236 million to procure and install a flexible electroless nickel plating line to support production located at Rock Island Arsenal Joint Manufacturing and Technology Center (RIA-JMTC) - Rock Island, IL. This project re-introduces Nickel Plating capability to JMTC. Nickel plating is used to provide corrosion and wear surface protection for several weapons system components produced by JMTC. This project will replace existing, non-industry standard sand handling system with separate systems for differing sand and product types. This will enable best possible quality for both steel and aluminum cast weapon system parts. Mold shake-out will be enhanced through the replacement of an obsolete mold handling excavator ensuring a safe excavation process. The overall impact is an increase in cast part quality, reduction in environmental and personal safety impacts, developing and installing a new flexible plating line capable of electroless nickel coating and rapid switch to other new coatings. This will reduce lead time and supply chain risk on gun system parts by creating a new organic capability for current and future coatings and supports new and obsolescent weapon system production.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Sand Handling System **Project Number:** JMTC008 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Rock Island Arsenal - Joint Manufacturing and Technology Center (RIA-JTMC) Facility Location: Rock Island, IL Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	1.236	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	1.236	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:

There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars in the amount of \$1.236 million to procure and install a sand handling system to support production located at Rock Island Arsenal Joint Manufacturing and Technology Center (RIA-JMTC) - Rock Island, IL. This project will replace existing, non-industry standard sand handling systems with separate systems for differing sand and product types. This will enable the best possible quality for both steel and aluminum cast weapon system parts. Mold shake-out will be enhanced through the replacement of an obsolete mold handling excavator ensuring a safe excavation process. The overall impact is an increase in cast part quality and reduction in environmental and personal safety impacts.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Upgrade Existing Paint Booths **Project Number:** JMTC009 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Rock Island Arsenal - Joint Manufacturing and Technology Center (RIA-JTMC) Facility Location: Rock Island, IL Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	2.700	-	-	-							
C. Equipment Installation Cost	-	1.800	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	4.500	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars in the amount of \$4.500 million is to convert two (2) existing manual paint lines and two (2) drive-in booths through the integration of a flexible robotic paint system located at Rock Island Arsenal Joint Manufacturing and Technology Center (RIA-JMTC) - Rock Island, IL. This will automate a manufacturing process that nearly 90% of all arsenals manufacturing components utilize. Applying modern robotics and imaging systems to existing painting and post processing infrastructure will reduce labor costs, increase safety of workers, and improve quality through consistency. Robotic paint automation can reduce raw material consumption by up to 30% due to improved paint application accuracy and limiting waste through unnecessary overspray. Operationalizing robotic painting removes the hazards of volatile organic compound exposure for employees that are currently mitigated through cumbersome and bulky personal protective equipment. Organically manufactured components will gain schedule reliability from an automated painting process achieved through an increased throughput production capacity. Flexibility to efficiently execute to a variable quantity volume, with a high mix of complexity, will enable the painting of large weapon systems as well as mid to small size sub-components of systems.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Sand Printing Package **Project Number:** JMTC010 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Rock Island Arsenal - Joint Manufacturing and Technology Center (RIA-JTMC) Facility Location: Rock Island, IL Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	1.500	-	-	-							
C. Equipment Installation Cost	-	0.500	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	2.000	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars in the amount of \$2.000 million support the procurement and installation of a sand printing package located at Rock Island Arsenal Joint Manufacturing and Technology Center (RIA-JMTC) - Rock Island, IL. This continues the sand-casting process transformation from legacy molding techniques to a high-speed prototype and production methodology of printed sand cores and molds. This migration from manually producing wood patterns and core boxes to model based tooling development will significantly lessen the time for producing production castings and is immediately applicable to current Main Battle Tank System (MBTS) cast parts. The project incorporates robotic sand milling to produce mold cavities in an effective and efficient manner. Hard tooling will no longer be a prerequisite for creating low to medium volumes of mold cavities, reducing lead times and startup costs while improving product quality through rapid, iterative mold design.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:**
3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Large, Multi-Axis Machining **Project Number:** JMTC011 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Rock Island Arsenal - Joint Manufacturing and Technology Center (RIA-JTMC) Facility Location: Rock Island, IL Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	7.500	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	7.500	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars in the amount of \$7.500 million to support the procurement and installation of two (2) different large multi-axis machining systems and supporting equipment located at Rock Island Arsenal Joint Manufacturing and Technology Center (RIA-JMTC) - Rock Island, IL. These automated machining systems will be used to make precise and complex geometry cutting of metal sheets, plates, and blocks to support production of Cannon systems. Production quality and delivery will be modernized through improved repeatability, automation, more efficient cutting, and greater machine uptime. This project replaces outdated and unreliable existing machines with modern machines capable of producing large, machined armor components; reducing setup and run times, and enabling complex machining on next generation weapon systems.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Coreless Induction Furnace **Project Number:** JMTC012 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Rock Island Arsenal - Joint Manufacturing and Technology Center (RIA-JTMC) Facility Location: Rock Island, IL Facility Type (GOGO, GOCO, COCO): GOGO																									
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th align="center" colspan="6">Related Projects</th> </tr> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 10%;">FY & Appn</th> <th style="width: 10%;">Value (\$ M)</th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>					Related Projects						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Related Projects																															
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date							Compl Date																			
B. Equipment Cost	-	-	-	-	-																										
C. Equipment Installation Cost	-	-	2.300	-	2.300																										
D. Contractor Support Cost	-	-	-	-	-																										
E. Corps of Engineers Support Cost	-	-	-	-	-																										
F. Other In-House Support Cost	-	-	-	-	-																										
G. Total Facility Project Cost	-	-	-	-	-																										
H. Other Costs	-	-	-	-	-																										
Total Project Cost	-	-	2.300	-	2.300																										

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$2.300 million to replace and update two (2) banks of three (3) 1,000 pound coreless induction furnaces, totaling six (6), located at Rock Island Arsenal Joint Manufacturing and Technology Center (RIA-JMTC) - Rock Island, IL. This action replaces two (2) existing banks of smaller induction furnaces, one of which has no power today. This 'Greener' system consumes less energy than legacy furnaces and establishes independent steel and aluminum melting lines. Modern furnace power supplies will enable the flexibility for multiple furnaces to be in operation at the same time resulting in greater melt capacity and serve as a redundant capability during both scheduled and unscheduled maintenance.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Melt Furnace With Advanced Refinement **Project Number:** JMTC013 **Project Category:**

End Item Supported Model: **Annual Capacity Before / After (1-8-5): /**

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Rock Island Arsenal - Joint Manufacturing and Technology Center (RIA-JTMC) Facility Location: Rock Island, IL Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	10.300	-	10.300							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	-	10.300	-	10.300							
											Related Projects	
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$10.300 million support the procurement and installation of a one for one replacement of current 3T & 5T arc furnaces with 'greener' energy efficient coreless induction furnaces located at Rock Island Arsenal Joint Manufacturing and Technology Center (RIA-JMTC) - Rock Island, IL. Argon Oxygen Decarburization (AOD) enables metal refinement to cast alloys such as stainless steel, cast armor steel, and high yield (HY) steels. This modernization effort secures a large casting production line and improves process control for a historically manual alloying process.

This project is a new start in FY 2025.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: High-Bays Design Charrette **Project Number:** SANG002 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Selfridge Air National Guard (SANG) Base Facility Location: Harrison Township, MI Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	4.500	-	4.500							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	-	4.500	-	4.500	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$4.500 million supports the design charrette for the planned manufacturing of high-bays for Abrams Modernization located at Selfridge Air National Guard (SANG) Base, Harrison Township, MI. This project is to work with US Army Corps of Engineers (USACE) to develop a design plan for the proposed building and property. Building construction to be funded separately and is planned to begin in FY26. Project Manager Main Battle Tank Systems (PM MBTS) requires an Operational Security (OPSEC) Government-Owned, Contractor-Operated (GOCO) high-bay facility with dedicated secret and above secret clearance areas for personnel and vehicles, independent of the Original Equipment Manufacturers (OEMs). The facility's primary mission would be supporting production through software and selected hardware installs. In addition, this facility could be used for Engineering Change Proposal (ECP) development, prototyping activities, vehicle integration activities, dedicated Software Integration Lab (SIL), and government logistics mission support for Technical Manual (TM) development, TM validation/verification, and Logistics Demonstrations.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: High-Bays Site Preparation **Project Number:** SANG003 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Selfridge Air National Guard (SANG) Base Facility Location: Harrison Township, MI Facility Type (GOGO, GOCO, COCO): GOCO						
A. Construction Cost	-	-	3.000	-	3.000	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	-	3.000	-	3.000							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$3.000 million supports the site preparation work for the planned manufacturing of high-bays for Abrams Modernization located at Selfridge Air National Guard (SANG) Base, Harrison Township, MI. This project is to work with US Army Corps of Engineers (USACE) to prepare the site at SANG for the proposed building and property. Building construction to be funded separately and is planned to begin in FY26. Project Manager Main Battle Tank Systems (PM MBTS) requires an Operational Security (OPSEC) Government-Owned, Contractor-Operated (GOCO) high-bay facility with dedicated secret and above secret clearance areas for personnel and vehicles, independent of the Original Equipment Manufacturers (OEMs). The facility's primary mission would be supporting production through software and selected hardware installs. In addition, this facility could be used for Engineering Change Proposal (ECP) development, prototyping activities, vehicle integration activities, dedicated Software Integration Lab (SIL), and government logistics mission support for Technical Manual (TM) development, TM validation/verification, and Logistics Demonstrations.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Radial Forge Replacement **Project Number:** WVA0008 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	14.000	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	25.000	-	-	-	-							
C. Equipment Installation Cost	7.000	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	6.000	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	8.000	-	-	-	-							
H. Other Costs	5.000	-	-	-	-							
Total Project Cost	65.000	-	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$65.000 million supports the procurement and installation of replacement Radial Forge for use at Watervliet Arsenal, NY. The existing Radial Forge was installed and has been in operation since 1974. Across the five decades of operation, several refurbishments and modifications the system is reaching end of life. Component failures are increasing, and the Watervliet Arsenal must often manufacture replacement parts because they are not available elsewhere. The existing forge requires a two step procedure to manufacture Extended Range Cannon Artillery (ERCA) length and longer cannons. The Replacement Radial Forge supports manufacture of cannons exceeding the length of current ERCA in a single manufacturing step. The new system applies greater force during forging, allowing the forge to draw and shape a Cannon Preform Billet into a Cannon Rough Shape in less than 80% of the time required by the current system. The new systems incorporates additional automation and machine control to the forging process, producing more conformal rough shapes that reduce the amount of subsequent time and machining steps needed to produce a cannon.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Electro-Chemical Machining System for Cannon Rifling **Project Number:** WVA0009 **Project Category:**

End Item Supported Model: Rifled Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO																		
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:																		
B. Equipment Cost	7.000	-	-	-	-																			
C. Equipment Installation Cost	3.000	-	-	-	-																			
D. Contractor Support Cost	-	-	-	-	-																			
E. Corps of Engineers Support Cost	-	-	-	-	-																			
F. Other In-House Support Cost	-	-	-	-	-																			
G. Total Facility Project Cost	-	-	-	-	-																			
H. Other Costs	-	-	-	-	-																			
Total Project Cost	10.000	-	-	-	-	Related Projects																		
						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 15%;">FY & Appn</th> <th style="width: 10%;">Value (\$ M)</th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>					Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date																		

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$10.000 million supports the procurement and installation of an Electro Chemical Machining systems to be used for cannon rifling. Electro Chemical machining is a highly automated process, using electrically controlled fluid removal of metal to surface finish quality. Electro Chemical Machining is mature commercial manufacturing technology being adapted to improve the accuracy and reduce the time needed to rifle cannon tubes. Electro Chemical Machining uses electrically conductive fluids passing under moderate pressures with easily fabricated anodes to precisely and rapidly remove metal molecules from the inside of the cannon barrel. This systems will be able to rifle Extended Range Cannon Artillery (ERCA) length and specialty steel barrels in less than 2/3 the time required using the current broaching technique. Electro Chemical Machining costs per barrel are projected to be less than half of the current broach method, requiring less time to rifle cannon barrels with greater precision.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Hex-Trivalent Process Verification **Project Number:** WVA0010 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO														
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete: <div align="center">Related Projects</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 10%;">FY & Appn</th> <th style="width: 10%;">Value <i>(\$ M)</i></th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date		Compl Date													
B. Equipment Cost	0.750	-	-	-	-															
C. Equipment Installation Cost	-	-	-	-	-															
D. Contractor Support Cost	-	-	-	-	-															
E. Corps of Engineers Support Cost	-	-	-	-	-															
F. Other In-House Support Cost	-	-	-	-	-															
G. Total Facility Project Cost	2.100	-	-	-	-															
H. Other Costs	1.000	-	-	-	-															
Total Project Cost	3.850	-	-	-	-															

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$3.850 million supports production process verification of the use of Trivalent Chromium plating for cannon bores and cannon minor parts. Trivalent Chromium, a more environment and occupational health safe material is replacing the use of the more hazardous Hexavalent Chromium plating process used for over 5 decades. This project provides materials and effort required to verify plating processes and demonstrate performance of Trivalent Chromium on plated surfaces. This project builds upon other efforts, including the repair of the Watervliet Arsenal chrome plating facility and conversion of the disused commercial plating facility back to Arsenal use. This project introduces and verifies new processes to qualify Trivalent Chromium for cannon bore and minor parts plating.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30	P-1 Line Item Number / Title: 3270GC0050 / Production Base Support (WOCV-WTCV)
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Project Title: Rifled WaterJet and Verification	Project Number: WVA0011	Project Category:
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End Item Supported Model: Cannon Production	Annual Capacity Before / After (1-8-5): /
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Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO							
A. Construction Cost	0.950	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:							
B. Equipment Cost	4.750	-	-	-	-								
C. Equipment Installation Cost	0.500	-	-	-	-								
D. Contractor Support Cost	0.250	-	-	-	-								
E. Corps of Engineers Support Cost	-	-	-	-	-								
F. Other In-House Support Cost	2.500	-	-	-	-								
G. Total Facility Project Cost	-	-	-	-	-								
H. Other Costs	1.050	-	-	-	-								
Total Project Cost	10.000	-	-	-	-								
Related Projects													
							Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$10.000 million supports procurement and installation of a complete Waterjet System to be used for the production of Rifled Cannons. The Waterjet is being procured to serve as a combined rifling and surface finishing tool. Waterjet rifling uses high pressure slurry to precisely cut groves into the cannon bore steel. Waterjet surface finishing provides precise material removal to provide required inner diameter dimensions and required surface smoothness. Waterjet finishing is necessary to allow the use of Cold-Spray coatings in rifled cannon barrels. Waterjet rifling introduces a new capability to WVA to replace some traditional cannon production processes and complement other new technologies such as Electro-Chemical Machining and Cold-Spray applied coatings.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: ECM Facility Transition (Rifled Tubes) **Project Number:** WVA0012 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	1.900	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	1.600	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	0.700	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	0.300	-	-	-	-							
Total Project Cost	4.500	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$4.500 million supports the conversion of the prototype Electro Chemical Machining System to production capability for rifled cannon up to ERCA tube length. The ECM system provides precise removal of metal to rifle and finish cannon bores. This system replaces the traditional cannon rifling process that pulls broaches through the tube to cut and finish lands and grooves. ECM reduces mechanical stresses broaching introduces into cannon tubes. ECM will be the primary method to rifle ERCA cannon tubes and is expected to replace broach rifling for large cannon. This machine compliments new capability to WVA.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: ECM Tooling and Profile Verification **Project Number:** WVA0013 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO																		
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:																		
B. Equipment Cost	0.900	-	-	-	-																			
C. Equipment Installation Cost	0.300	-	-	-	-																			
D. Contractor Support Cost	0.600	-	-	-	-																			
E. Corps of Engineers Support Cost	-	-	-	-	-																			
F. Other In-House Support Cost	1.750	-	-	-	-																			
G. Total Facility Project Cost	-	-	-	-	-																			
H. Other Costs	0.650	-	-	-	-																			
Total Project Cost	4.200	-	-	-	-	Related Projects																		
						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 15%;">FY & Appn</th> <th style="width: 10%;">Value (\$ M)</th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 15%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>					Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date																		

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$4.200 million supports production Electro-Chemical Machining tooling procurement and process verification for 155mm cannon including Extended Range Cannon Artillery (ERCA). This project procures the production required ECM heads, guides, and other cannon specific items needed to perform rifling for M777, M109A7, and XM1299 ERCA cannons. This project verifies that the ECM processes used to rifle each cannon provide required inner diameter, surface finish, and required service performance. This project compliments other cannon production modernization investments at WVA.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Convert disused Hexavalent Chrome plating facility to Trivalent Chrome **Project Number:** WVA0014 **Project Category:**

End Item Supported Model: ERCA and other Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO														
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:														
B. Equipment Cost	-	-	-	-	-															
C. Equipment Installation Cost	-	-	-	-	-															
D. Contractor Support Cost	-	-	-	-	-															
E. Corps of Engineers Support Cost	-	-	-	-	-															
F. Other In-House Support Cost	-	-	-	-	-															
G. Total Facility Project Cost	6.500	-	-	-	-															
H. Other Costs	0.500	-	-	-	-															
Total Project Cost	7.000	-	-	-	-	Related Projects														
						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 10%;">FY & Appn</th> <th style="width: 10%;">Value (\$ M)</th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date														

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$7.000 million supports the conversion of not currently-in-use Chrome plating tanks to operational condition and filling with Trivalent Chrome (CrIL3). This set of plating tanks will be used to qualify Trivalent Chrome for ERCA cannon bore plating at Watervliet Arsenal, NY. This conversion is a risk reduction measure being performed in conjunction with the larger U.S. Army Tank Automotive and Armaments Command (TACOM) sponsored repair of the Watervliet cannon bore Chrome Plating facility. Army directed conversion to Trivalent chrome requires the development of new tooling and plating techniques to achieve equal-to or better-than performance compared to existing Hexavalent Chrome (Cr6). The conversion of these tanks allows full length plating of Extended Range Cannon Artillery (ERCA) length cannon bores with Trivalent chrome while the repaired plating facility continues using Hexavalent Chrome. Multiple cannon tubes will be coated and subjected to live fire and laboratory testing as part of this effort. This plating facility may have future utility in the production of other howitzers, tank cannons, and weapons.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Chrome Tooling (Anodes & Cathodes) **Project Number:** WVA0015 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	0.857	-	-	-	-							
C. Equipment Installation Cost	2.143	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	3.000	-	-	-	-							
							Related Projects					
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$3.000 million supports procurement and configuration costs to procure new anodes, cathodes, and associated tooling required to chrome plate cannon bores. This equipment is needed to provide optimum plating performance when the Chrome Plating facility is replaced.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Rifled Cold-Spray System (Spindle Lathe, Facilities, System) **Project Number:** WVA0016 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	1.500	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	7.600	-	-	-	-							
C. Equipment Installation Cost	1.680	-	-	-	-							
D. Contractor Support Cost	0.600	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	1.500	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	1.370	-	-	-	-							
Total Project Cost	14.250	-	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$14.250 million supports procurement and installation of a Cold-Spray production system for use in bore coating rifled cannon. The Cold-Spray system is used to apply a multi-layer coating to the cannon bore in lieu of chromium plating. The coating is more resistant to wear compared to chromium plating, increasing cannon operation life. The Cold-Spray system will support coating of rifled cannons up to ERCA length. This project procures the Cold-Spray System, supporting spindle lathes, and the tooling required to coat the cannon lengths now or planned for production. The projects funds verification of the production coating processes and durability when the cannon is fired. The rifled cannon Cold-Spray system introduces a new capability to WVA, complimenting other cannon production modernization projects.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Anodize Line (Reconstitute in-house process) **Project Number:** WVA0017 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	1.600	-	-	-	-							
C. Equipment Installation Cost	0.400	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	2.000	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$2.000 million supports the procurement and installation of Anodization equipment at Watervliet Arsenal (WVA) New York. This system will allow the Arsenal to anodize metal parts to provide corrosion and wear resistance. Bringing this capability into WVA will increase cannon production rates by eliminating the delays caused by long lead times at outside vendors.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Cannon Production High Voltage Substation Modernization **Project Number:** WVA0018 **Project Category:**

End Item Supported Model: ERCA and other Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO														
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:	Related Projects													
B. Equipment Cost	2.000	-	-	-	-															
C. Equipment Installation Cost	0.800	-	-	-	-															
D. Contractor Support Cost	-	-	-	-	-															
E. Corps of Engineers Support Cost	-	-	-	-	-															
F. Other In-House Support Cost	-	-	-	-	-															
G. Total Facility Project Cost	-	-	-	-	-															
H. Other Costs	0.200	-	-	-	-															
Total Project Cost	3.000	-	-	-	-															
												<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 10%;">FY & Appn</th> <th style="width: 10%;">Value <i>(\$ M)</i></th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date	
Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date														

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$3.000 million supports the procurement and installation of a High Voltage Substation system to convert electric grid power for cannon production at Watervliet Arsenal, NY. This system replaces obsolete equipment with more automated and reliable power conversion to support cannon production. The new substation will provide more reliable and consistent power conversion needed by modern production equipment being procured and installed. This system is scaled to support production of current and planned extended range artillery cannons, howitzers, tank cannons, and other weapons.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Inspection Gauges - XM35 **Project Number:** WVA0019 **Project Category:**

End Item Supported Model: XM35 **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	1.500	-	-	-	-							
C. Equipment Installation Cost	0.250	-	-	-	-							
D. Contractor Support Cost	0.143	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	1.893	-	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$2.000 million supports the inspection gauges for XM 35 components. The equipment replaces obsolete equipment and supports newer metrology technologies.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Cannon Billet Pre-Heat Induction Furnace System **Project Number:** WVA0020 **Project Category:**

End Item Supported Model: ERCA and other Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO					
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:					
B. Equipment Cost	4.500	-	-	-	-						
C. Equipment Installation Cost	2.250	-	-	-	-						
D. Contractor Support Cost	-	-	-	-	-						
E. Corps of Engineers Support Cost	-	-	-	-	-						
F. Other In-House Support Cost	-	-	-	-	-						
G. Total Facility Project Cost	-	-	-	-	-						
H. Other Costs	0.250	-	-	-	-						
Total Project Cost	7.000	-	-	-	-						
Related Projects											
	Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date				

Narrative Explanation:

There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$7.000 million supports the procurement and installation of a set of 5 automated Electric Induction Furnaces to preheat cannon steel billets prior to shaping in the Radial Forge. This set of furnaces will replace the natural gas powered furnace currently in use at Watervliet Arsenal, NY. These Induction Furnaces will reduce energy demand and waste heat generated during cannon billet preheating and reduce combustion gas emissions on the arsenal. The furnaces will more rapidly heat the billets and reduce exposure to contaminates, better preserving the material properties of the Extended Range Cannon Artillery (ERCA) cannon steel. The induction furnaces will be used in the production of other howitzers, tank cannons, and weapons.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Guided Bore System for ERCA Length Cannon **Project Number:** WVA0021 **Project Category:**

End Item Supported Model: ERCA and other Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	1.000	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	7.700	-	-	-	-							
C. Equipment Installation Cost	1.000	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	0.300	-	-	-	-							
Total Project Cost	10.000	-	-	-	-							
												Related Projects
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$10.000 million supports the procurement an automated guided bore cutting system scaled to support Extended Range Cannon Artillery (ERCA) length cannon production at Watervliet Arsenal, NY. This equipment is required to precisely machine the inner bore of the cannon prior to rifling and coating. This system is scaled to support production of the ERCA cannons. The system may have utility in the production of other howitzers, tank cannons, and weapons.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: External Cylindrical Grinder **Project Number:** WVA0022 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	2.720	-	-	-	-							
C. Equipment Installation Cost	0.680	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	3.400	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$3.400 million supports the procurement and installation of an automated external cylindrical grinder with sufficient bed length to rough and finish the outside surfaces of cannons and other large cylindrical parts. This automated system supports production of longer cannon tubes in production and development, replacing obsolete and less capable equipment.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Overhead Cannon Transport Crane Modernization (Buildings 20, 35, 220, and 135) **Project Number:** WVA0023 **Project Category:**

End Item Supported Model: ERCA and other Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	10.000	-	-	-	-							
C. Equipment Installation Cost	5.000	-	-	-	-							
D. Contractor Support Cost	2.000	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	17.000	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$17.000 million supports the procurement and installation of modern control systems in overhead cranes in buildings 20, 35, 110, and 135, which are used in cannon production at Watervliet Arsenal, NY. The new control equipment is required to provide higher reliability in crane operation and to improve precision in positioning of overhead cranes used to transport cannons through the production lines. Improved crane operation will have utility in the production of other howitzers, tank cannons, and weapons.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: ERCA Vertical Turning Lathe Set (Breech Manufacture) **Project Number:** WVA0024 **Project Category:**

End Item Supported Model: ERCA and other Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	4.600	-	-	-	-							
C. Equipment Installation Cost	1.800	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	0.400	-	-	-	-							
Total Project Cost	6.800	-	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:

There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$6.800 million supports the procurement and installation of a modern Vertical Turning Lathe Set to be used for Extended Range Cannon Artillery (ERCA) cannon production at Watervliet Arsenal, NY. This equipment is required to perform ERCA cannon breech and other machining tasks that cannot be performed on 5 axis milling centers. This set is scaled to support production for current and planned extended range artillery cannons, howitzers, tank cannons, and other weapons.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Cannon Production High Voltage Power Distribution Modernization **Project Number:** WVA0026 **Project Category:**

End Item Supported Model: ERCA and other Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	7.000	-	-	-	-							
C. Equipment Installation Cost	3.000	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	10.000	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$10.000 million supports the procurement and installation of high voltage power distribution lines for cannon production manufacturing systems at Watervliet Arsenal, NY. This high voltage power distribution network replaces obsolete equipment to provide power required by manufacturing systems being installed to modernize cannon production. This power distribution network is scaled to support production of current and planned extended range artillery cannons, howitzers, tank cannons, and other weapons.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: WVA Miscellaneous Small Projects **Project Number:** WVA0027 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	0.050	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	1.490	-	0.201	-	0.201							
C. Equipment Installation Cost	0.120	-	1.000	-	1.000							
D. Contractor Support Cost	-	0.950	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	0.220	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	2.388	1.730	-	-	-							
Total Project Cost	4.268	2.680	1.201	-	1.201							
							Related Projects					
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$1.000 million to support the modernization, maintenance, replacement, and upgrade of production equipment and production support equipment located at Watervliet Arsenal (WVA), New York. These projects include but are not limited to: maintaining, improving, optimizing, and modernizing the manufacturing facilities, its infrastructure, the production equipment, and production support equipment. This includes multiple projects which are individually estimated at less than \$1.000 million.

FY 2025 Base procurement dollars in the amount of \$0.201 million to purchase miscellaneous tooling/equipment to support manufacturing of cannon tubes located at Watervliet Arsenal (WVA), New York.

FY 2024 Base procurement dollars in the amount of \$2.480 million support the Production Process and Industrial Base by focusing on maintaining, improving, optimizing, and modernizing the manufacturing facilities located at Watervliet Arsenal (WVA), New York. These projects include but are not limited to: Engineering Design for FY 2025 PBS projects and project support contracts.

FY 2024 Base procurement dollars in the amount of \$0.200 million to purchase miscellaneous tooling/equipment to support manufacturing of cannon tubes located at Watervliet Arsenal (WVA), New York.

FY 2023 Base procurement dollars in the amount of \$4.268 million supported miscellaneous small projects at Watervliet Arsenal (WVA) which to included but were not limited to:
 - FY 2023 Procurement of a small pit-type tempering furnace for use in treatment of small parts up to cannon breech and breech blocks.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30		P-1 Line Item Number / Title: 3270GC0050 / Production Base Support (WOCV-WTCV)
Project Title: WVA Miscellaneous Small Projects	Project Number: WVA0027	Project Category:
End Item Supported Model: Cannon Production		Annual Capacity Before / After (1-8-5): /
<p>- FY 2023 Procurement of an automated slant bed lathe scaled to fit up to ERCA length cannon.-FY 2023 Procurement of a more efficient heat treatment furnace used to produce piece parts.</p> <p>- FY 2023 Procurement of a more efficient endothermic generator to be used with the minor heat treatment furnace.</p> <p>- FY 2023 Procurement of routine small projects to support facility modernization and overall facility improvements.</p>		

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Horizontal Milling Center **Project Number:** WVA0035 **Project Category:**

End Item Supported Model: Majors/Minors **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	0.500	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	0.450	-	-	-	-							
C. Equipment Installation Cost	0.050	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	1.000	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

 FY 2023 Base procurement dollars in the amount of \$1.000 million supports the procurement and installation of horizontal milling center. The machine replaces antiquated, worn equipment with modern, reliable machinery with increase capacity.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Excess Equipment, Floor Repairs, Relocate Equipment **Project Number:** WVA0037 **Project Category:**

End Item Supported Model: Excess Equipment, Floor Repairs, Relocate Equipment **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	0.100	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	0.020	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	0.851	-	-	-	-							
Total Project Cost	0.971	-	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$0.971 million supports the removal of excess equipment, floor repairs and relocating beneficial WVA equipment. It is necessary to remove obsolete equipment by making room and prepping locations for new equipment arriving at WVA.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Filament Winder 1/2 (120mm Bore Evacuator) **Project Number:** WVA0038 **Project Category:**

End Item Supported Model: Bore Evacuators **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	0.850	-	-	-	-							
C. Equipment Installation Cost	0.100	-	-	-	-							
D. Contractor Support Cost	0.050	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	1.000	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$1.000 million supports the replacement of filament winders used for M120 bore evacuators. This system replaces obsolete equipment and will prevent single point of failures in the manufacturing process.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Filament Winder 2/2 (120mm Bore Evacuator) **Project Number:** WVA0039 **Project Category:**

End Item Supported Model: Bore Evacuators **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	0.850	-	-	-	-							
C. Equipment Installation Cost	0.100	-	-	-	-							
D. Contractor Support Cost	0.050	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	1.000	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$1.000 million supports the replacement of filament winders used for M120 bore evacuators. This system replaces obsolete equipment and will prevent single point of failures in the manufacturing process.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: 2nd M256 Cold Spray System **Project Number:** WVA0040 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	0.900	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	3.000	-	-	-	-							
C. Equipment Installation Cost	0.200	-	-	-	-							
D. Contractor Support Cost	0.100	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	0.200	-	-	-	-							
Total Project Cost	4.400	-	-	-	-							
												Related Projects
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$4.400 million supports procurement and installation of 2nd cold spray system to eliminate a single point of failure and increase capacity for the cold spray technology currently being developed. This machine introduces additional capability for WVA and supports an alternate technology to chrome.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: ID Grinder 1/2 **Project Number:** WVA0041 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO																										
						Principal Milestones						Month & Year																				
A. Construction Cost	0.750	-	-	-	-	Concept Design Complete:																										
B. Equipment Cost	1.250	-	-	-	-	Final Design Complete:																										
C. Equipment Installation Cost	0.050	-	-	-	-	Initial/Final Project Award:																										
D. Contractor Support Cost	0.050	-	-	-	-	Construction Complete:																										
E. Corps of Engineers Support Cost	-	-	-	-	-	Equipment Installation Complete:																										
F. Other In-House Support Cost	-	-	-	-	-	Prove Out Begins:																										
G. Total Facility Project Cost	-	-	-	-	-	Prove Out Complete:																										
H. Other Costs	0.750	-	-	-	-	<table border="1"> <thead> <tr> <th colspan="7">Related Projects</th> </tr> <tr> <th>Project Number</th> <th>Title</th> <th>FY & Appn</th> <th>Value (\$ M)</th> <th>Facing</th> <th>Start Date</th> <th>Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						Related Projects							Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Related Projects																																
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date																										
Total Project Cost	2.850	-	-	-	-																											

Narrative Explanation:

There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$2.850 million supports procurement and installation of ID Grinder to eliminate a single point of failure and increase capacity for the cold spray technology currently being developed. This machine introduces additional capability for WVA and supports an alternate technology to chrome.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: ID Grinder 2/2 **Project Number:** WVA0042 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	0.750	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	1.250	-	-	-	-							
C. Equipment Installation Cost	0.050	-	-	-	-							
D. Contractor Support Cost	0.050	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	0.750	-	-	-	-							
Total Project Cost	2.850	-	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$2.850 million supports procurement and installation of ID Grinder to eliminate a single point of failure and increase capacity for the cold spray technology currently being developed. This machine introduces additional capability for WVA and supports an alternate technology to chrome.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Hone 1/2 **Project Number:** WVA0043 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO														
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:														
B. Equipment Cost	0.700	-	-	-	-															
C. Equipment Installation Cost	0.150	-	-	-	-															
D. Contractor Support Cost	0.050	-	-	-	-															
E. Corps of Engineers Support Cost	-	-	-	-	-															
F. Other In-House Support Cost	-	-	-	-	-															
G. Total Facility Project Cost	-	-	-	-	-															
H. Other Costs	-	-	-	-	-															
Total Project Cost	0.900	-	-	-	-															
							Related Projects													
						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 15%;">FY & Appn</th> <th style="width: 10%;">Value (\$ M)</th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 15%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date														

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$0.900 million supports procurement and installation of Hone to eliminate a single point of failure and increase capacity for the cold spray technology currently being developed. This machine introduces additional capability for WVA and supports an alternate technology to chrome.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Hone 2/2 **Project Number:** WVA0044 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO																		
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:																		
B. Equipment Cost	0.700	-	-	-	-																			
C. Equipment Installation Cost	0.150	-	-	-	-																			
D. Contractor Support Cost	0.050	-	-	-	-																			
E. Corps of Engineers Support Cost	-	-	-	-	-																			
F. Other In-House Support Cost	-	-	-	-	-																			
G. Total Facility Project Cost	-	-	-	-	-																			
H. Other Costs	-	-	-	-	-																			
Total Project Cost	0.900	-	-	-	-	Related Projects																		
						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 15%;">FY & Appn</th> <th style="width: 10%;">Value (\$ M)</th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td colspan="7" style="height: 20px;"> </td> </tr> </tbody> </table>					Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date																		

Narrative Explanation:

There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$0.900 million supports procurement and installation of Hone to eliminate a single point of failure and increase capacity for the cold spray technology currently being developed. This machine introduces additional capability for WVA and supports an alternate technology to chrome.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: M256 Waterjet **Project Number:** WVA0045 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	1.000	1.000	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	2.000	3.000	-	-	-							
C. Equipment Installation Cost	0.100	0.100	-	-	-							
D. Contractor Support Cost	0.100	0.100	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	3.200	4.200	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars in the amount of \$4.200 million supports the procurement and installation of a second Waterjet System to support cannon production located at Watervliet Arsenal (WVA), New York. The Waterjet is used to clean cannon bores and as a surface finishing tool. Advanced materials have proven to offer an alternative to the use hexavalent chromium in the Organic Industrial Base. Waterjet System attributes: Ability to remove deposited materials in the event of defect during manufacturing. Decreases honing and grinding operations and increases production capacity. This machine introduces a new capability and expands current manufacturing options at WVA.

FY 2023 Base procurement dollars in the amount of \$3.200 million supports procurement and installation of a second Waterjet System to support cold spray production. The Waterjet is used to clean coatings from cannon bores and as a surface finishing tool. The Tantalum cold spray system uses hypersonic velocity air jets to deposit Tantalum onto the cannon bore. Tantalum has proven to be more erosion resistant than Chrome to protect and extend the life of cannon barrels. Waterjet System attributes: Stripping process of Tantalum (cold spray) in the event there is an issue with coating. Decreases honing and grinding operations and increases production capacity. This machine introduces a new capability to WVA.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: M256 Waterjet Foundation **Project Number:** WVA0046 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	1.000	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	1.000	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$1.000 million supports procurement and installation of a second Waterjet System foundation to support cold spray production. The Waterjet is used to clean coatings from cannon bores and as a surface finishing tool. The Tantalum cold spray system uses hypersonic velocity air jets to deposit Tantalum onto the cannon bore. Tantalum has proven to be more erosion resistant than Chrome to protect and extend the life of cannon barrels. Waterjet System attributes: Stripping process of Tantalum (cold spray) in the event there is an issue with coating. Decreases honing and grinding operations and increases production capacity. This machine introduces a new capability to WVA.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Gymnasticator **Project Number:** WVA0047 **Project Category:**

End Item Supported Model: M12 Breech Block, Breech Mechanism **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	1.500	-	-	-	-							
C. Equipment Installation Cost	0.150	-	-	-	-							
D. Contractor Support Cost	0.150	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	0.400	-	-	-	-							
Total Project Cost	2.200	-	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$2.200 million supports the ability to test M12 Breech Block, Breech Mechanism components in-house rather than having to send them to another facility. The system allows WVA to have this portion of the manufacturing process kept in-house to allow for faster and more efficient manufacturing durations.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Horizontal Machining Center **Project Number:** WVA0049 **Project Category:**

End Item Supported Model: Cannon Production **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	0.800	-	-	-	-							
C. Equipment Installation Cost	0.200	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	1.000	-	-	-	-							
						Related Projects						
						Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$1.000 million supports the procurement and installation of an automated Horizontal Machining Center, used to produce cannon piece parts. This system replaces obsolete equipment.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Hollow Spindle Lathe **Project Number:** WVA0050 **Project Category:**

End Item Supported Model: Rifled Cannons **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO														
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:														
B. Equipment Cost	-	-	-	-	-															
C. Equipment Installation Cost	-	-	-	-	-															
D. Contractor Support Cost	-	-	-	-	-															
E. Corps of Engineers Support Cost	-	-	-	-	-															
F. Other In-House Support Cost	-	-	-	-	-															
G. Total Facility Project Cost	-	-	-	-	-															
H. Other Costs	6.000	-	-	-	-															
Total Project Cost	6.000	-	-	-	-															
							Related Projects													
						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 15%;">FY & Appn</th> <th style="width: 10%;">Value (\$ M)</th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 15%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date														

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$6.000 million procures two spindle lathes. The hollow spindle lathe will support up to Extended Range Cannon Artillery (ERCA) length cannon, at one existing location and one new location in the factory, specifically for a guided bore system.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: WVA Chrome Plating Operations **Project Number:** WVA0059 **Project Category:**

End Item Supported Model: **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	7.951	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	7.951	-	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2023 Base procurement dollars in the amount of \$7.951 million enables procurement of additional equipment and tooling to support the Watervliet Arsenal (WVA) chrome plating operations that are critical to producing gun barrels in support of the Abrams, Paladin, ERCA, and M777 systems.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Two (2) Surface Grinders **Project Number:** WVA0051 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	2.800	-	-	-							
C. Equipment Installation Cost	-	0.300	-	-	-							
D. Contractor Support Cost	-	0.100	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	3.200	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:

There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars in the amount of \$3.200 million supports the procurement of two (2) surface grinders, which are a major component manufacturing of breech mechanism components located at Watervliet Arsenal (WVA), New York. Surface grinding is a required process for breech rings and breech blocks.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Tube Runout Table **Project Number:** WVA0052 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	1.000	-	-	-							
D. Contractor Support Cost	-	0.150	-	-	-							
E. Corps of Engineers Support Cost	-	0.050	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	1.200	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars in the amount of \$1.200 million supports the procurement for a cannon tube runout table. This is required to measure Total Indicator Runout (TIR) on M256 cannon tubes throughout its manufacturing process located at Watervliet Arsenal (WVA), New York. The process is both a drawing and Quality Assurance Plan (QAP) requirement.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Wire Electric Discharge Machine **Project Number:** WVA0053 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	1.200	-	-	-							
D. Contractor Support Cost	-	0.150	-	-	-							
E. Corps of Engineers Support Cost	-	0.050	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	1.400	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars in the amount of \$1.400 million supports the procurement and installation of a Wire Electric Discharge Machine (EDM) that is a required process to support minor component manufacturing of the M256 Block Crank and the M256 operating crank located at Watervliet Arsenal (WVA), New York. This automated system will be used to make precise and complex geometry cutting of metal sheets, plates, and blocks to support production of cannon systems. The EDM can replace very costly and time-consuming broaching operations and will support processing modernization as well as reducing operating costs and Takt times. Takt time is a calculation of the available production time divided by customer demand.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Quality Control Inspection Equipment **Project Number:** WVA0054 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO				
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:				
B. Equipment Cost	-	-	-	-	-					
C. Equipment Installation Cost	-	5.100	-	-	-					
D. Contractor Support Cost	-	0.200	-	-	-					
E. Corps of Engineers Support Cost	-	0.100	-	-	-					
F. Other In-House Support Cost	-	-	-	-	-					
G. Total Facility Project Cost	-	-	-	-	-					
H. Other Costs	-	-	-	-	-					
Total Project Cost	-	5.400	-	-	-					
Related Projects										
	Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date			

Narrative Explanation:

There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars in the amount of \$5.400 million supports equipment that will be used to support modernization of quality control functions by implementing the digitalization of data gathering to implement Statistical Process Control (SPC) located at Watervliet Arsenal (WVA), New York. Equipment will also be used to mitigate single points of failures as well as support increased workload.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Tri-Chrome Conversion **Project Number:** WVA0055 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO														
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete: <div style="text-align: center;">Related Projects</div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 40%;">Title</th> <th style="width: 10%;">FY & Appn</th> <th style="width: 10%;">Value (\$ M)</th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date		Compl Date													
B. Equipment Cost	-	-	-	-	-															
C. Equipment Installation Cost	-	-	-	-	-															
D. Contractor Support Cost	-	-	-	-	-															
E. Corps of Engineers Support Cost	-	-	-	-	-															
F. Other In-House Support Cost	-	-	-	-	-															
G. Total Facility Project Cost	-	-	2.200	-	2.200															
H. Other Costs	-	9.400	0.500	-	0.500															
Total Project Cost	-	9.400	2.700	-	2.700															

Narrative Explanation:

FY 2025 Base procurement dollars in the amount of \$2.700 million supports the conversion of not currently-in-use Chrome plating tanks to operational condition and filling with Trivalent Chrome (CrI3) located at Watervliet Arsenal (WVA), New York. This set of plating tanks will be used to qualify Trivalent Chrome cannon bore plating at WVA. This conversion is a risk reduction measure being performed in conjunction with the larger U.S. Army Tank Automotive and Armaments Command (TACOM) sponsored repair of the Watervliet for cannon bore Chrome Plating facility. Army directed conversion to Trivalent chrome requires the development of new tooling and plating techniques to achieve equal-to or better-than performance compared to existing Hexavalent Chrome (Cr6). The conversion of these tanks allows full length plating of cannon bores with Trivalent chrome while the repaired plating facility continues using Hexavalent Chrome. Multiple cannon tubes will be coated and subjected to live fire and laboratory testing as part of this effort. This plating facility may have future utility in the production of other howitzers, tank cannons, and weapons.

FY 2024 Base procurement dollars in the amount of \$9.400 million supports the procurement and installation of the conversion from hexavalent chromium plating to trivalent chromium plating located at Watervliet Arsenal (WVA), New York. This project is primarily focused on inner diameter bore coatings for large caliber weapons systems, which provide wear and erosion protection from the thermal, chemical, and mechanical impacts of a projectile. Tri Chrome attributes: Removes the dependence on hexavalent chromium for bore coatings. Newly renovated chrome plating facility will readily accept this new process. Process efficiencies have high potential to increase production capacity. This process introduces a new capability and expands current manufacturing options at WVA.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Cannon Preform Advanced Material Purchase **Project Number:** WVA0056 **Project Category:**

End Item Supported Model: **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	1.200	-	-	-							
Total Project Cost	-	1.200	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars in the amount of \$1.200 million supports the Preform Advanced Material Purchase plating located at Watervliet Arsenal (WVA), New York. This pre-positions critical long lead castings and forgings to increase flexibility in US requirements and supply chain disruptions. Purchase of Howitzer cannon subcomponents to prove out new manufacturing capability investments at Watervliet arsenal from other (multiple) Production Base Support (PBS) investments.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Minor Plating Reconstitution **Project Number:** WVA0057 **Project Category:**

End Item Supported Model: **Annual Capacity Before / After (1-8-5): /**

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	2.000	-	-	-							
C. Equipment Installation Cost	-	2.000	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	4.000	-	-	-	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 There is no FY 2025 budget request for this project.

FY 2024 Base procurement dollars in the amount of \$4.000 million conduct a study for renovating the minor plating line (aka anodization which is the process used for chrome plating). Minors refers to smaller parts as opposed to the cannon tube plating line). This includes new anodization equipment as well as upgrades to infrastructure like the subterranean piping for flow of chemicals involved in the process. This system will allow the Arsenal to anodize metal parts to provide corrosion and wear resistance. Bringing this capability into WVA will increase cannon production rates by eliminating the delays caused by long lead times at outside vendors.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: Cold Spray Smooth Bore Qualification **Project Number:** WVA0060 **Project Category:**

End Item Supported Model: Abrams **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Watervliet Arsenal (WVA) Facility Location: Watervliet, NY Facility Type (GOGO, GOCO, COCO): GOGO						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	1.000	-	1.000							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	-	-	-	-	-							
Total Project Cost	-	-	1.000	-	1.000	Related Projects						
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$1.000 million supports the qualification of a second cold spray system located at Watervliet Arsenal (WVA), New York. This will eliminate a single point of failure and increase capacity for the cold spray technology currently being developed. The cold-spray process introduces additional capability for WVA and supports an alternate technology to chrome.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:**
3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: M88 Hull Tech Data **Project Number:** BAE002 **Project Category:**

End Item Supported Model: CRS/M88 **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: BAE Systems Vehicle Upgrade and Overhaul Center (VUOC) Facility Location: Various Facility Type (GOGO, GOCO, COCO):																		
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete: <div align="center">Related Projects</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 40%;">Title</th> <th style="width: 10%;">FY & Appn</th> <th style="width: 10%;">Value <i>(\$ M)</i></th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>					Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value <i>(\$ M)</i>	Facing	Start Date						Compl Date													
B. Equipment Cost	-	-	-	-	-																			
C. Equipment Installation Cost	-	-	-	-	-																			
D. Contractor Support Cost	-	-	-	-	-																			
E. Corps of Engineers Support Cost	-	-	-	-	-																			
F. Other In-House Support Cost	-	-	-	-	-																			
G. Total Facility Project Cost	-	-	-	-	-																			
H. Other Costs	-	-	18.737	-	18.737																			
Total Project Cost	-	-	18.737	-	18.737																			

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$18.737 million supports obtaining technical data required for engineering, fabrication, and qualification of the M88 hull at the BAE Systems facilities in Sterling Heights, MI; Anniston, AL; and York, PA. Projects includes reverse engineering of M88 hull, Technical Data Package (TDP) development, mold design, procuring raw materials, machining, weld, hull assembly, and process qualification. The Army is running out of seed candidates for re-manufacture of M88 and requires new hull structures to meet production needs.

This project is a new start in FY 2025.

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Exhibit P-25, Production Support and Industrial Facilities Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A / 02 / 30 **P-1 Line Item Number / Title:** 3270GC0050 / Production Base Support (WOCV-WTCV)

Project Title: ATEC Facilities **Project Number:** ATEC **Project Category:**

End Item Supported Model: **Annual Capacity Before / After (1-8-5):** /

Cost Elements <i>(\$ in Millions)</i>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Facility Name: Army Test and Evaluation Command (ATEC) Facilities Facility Location: Various Facility Type (GOGO, GOCO, COCO):						
A. Construction Cost	-	-	-	-	-	Principal Milestones Month & Year Concept Design Complete: Final Design Complete: Initial/Final Project Award: Construction Complete: Equipment Installation Complete: Prove Out Begins: Prove Out Complete:						
B. Equipment Cost	-	-	-	-	-							
C. Equipment Installation Cost	-	-	-	-	-							
D. Contractor Support Cost	-	-	-	-	-							
E. Corps of Engineers Support Cost	-	-	-	-	-							
F. Other In-House Support Cost	-	-	-	-	-							
G. Total Facility Project Cost	-	-	-	-	-							
H. Other Costs	3.788	3.816	3.835	-	3.835	Related Projects						
Total Project Cost	3.788	3.816	3.835	-	3.835							
						Project Number	Title	FY & Appn	Value (\$ M)	Facing	Start Date	Compl Date

Narrative Explanation:
 FY 2025 Base procurement dollars in the amount of \$3.835 million support the Army Test and Evaluation Command priorities at the following locations:

- Aberdeen Test Center (ATC) will continue to modernize fire control instrumentation required to assess weapon system fire control performance on a wide range of test items. Aberdeen Test Center will continue replacing and upgrading weapon, sight, and target scoring high-definition video cameras, recorders, digital video processing systems, fiber optic converters, and telemetry systems. Replacement equipment is scheduled to address obsolescence issues, software compatibility gaps, and deterioration of existing hardware while ensuring test equipment maintains pace with technological advances of test items to preclude lack of test support. Aberdeen Test Center will also procure new instrumentation that will allow Electromagnetic Interference (EMI) testing of current and future military platforms, including autonomous vehicles.
- White Sands Test Center (WSTC) will continue to maintain and upgrade existing equipment and instrumentation for the developing and evolving White Sands Missile Range (WSMR) directed energy - High-Power Microwave (HPM), Electromagnetic Pulse (EMP) and lightning effects test simulators. These items include sensors, oscilloscopes, fiber optic links, vacuum systems, cryogenic superconducting magnets, waveguides, antennas, cathodes, insulators, and various cabling and subassemblies. These efforts will help White Sands Test Center meet regulatory, customer, and/or evolving mission requirements.
- Yuma Test Center (YTC) will acquire upgraded sensors, sensor positioning equipment, control hardware, signal conditioners, and other data acquisition equipment and software to modernize and improve accuracy and efficiency of ballistics data acquisition.

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Exhibit P-40, Budget Line Item Justification: PB 2025 Army **Date:** March 2024

Appropriation / Budget Activity / Budget Sub Activity: 2033A: Procurement of W&TCV, Army / BA 02: Weapons and Other Combat Vehicles / BSA 30: Support Equipment & Facilities	P-1 Line Item Number / Title: 9900GC9500 / CLOSED ACCOUNT ADJUSTMENTS
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	39.732	0.001	-	-	-	-	-	-	-	-	-	39.733
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	39.732	0.001	-	-	-	-	-	-	-	-	-	39.733
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	39.732	0.001	-	-	-	-	-	-	-	-	-	39.733

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This funding line is used for closed account/expired year transactions.

Secondary Distribution	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.001	-	-	-	-	-	-	-	-
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.001	-	-	-	-	-	-	-	-

Justification:

There is no FY 2025 budget request for this funding line.