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**Department of Defense
Fiscal Year (FY) 2022 Budget Estimates**

May 2021



Army

Justification Book Volume 1 of 3

Other Procurement, Army

Other Procurement, Army, Tactical and Support Vehicles, Budget Activity 1

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Army • Budget Estimates FY 2022 • Procurement

Volume 1 Table of Contents

Introduction and Explanation of Contents.....Volume 1 - ii
Comptroller Exhibit P-1.....Volume 1 - iv
Master Line Item Table of Contents (by Appropriation then Line Number)..... Volume 1 - xvii
Master Line Item Table of Contents (Alphabetically by Line Item Title).....Volume 1 - xxviii
Line Item Table of Contents (by Appropriation then Line Number)..... Volume 1 - xxxvii
Line Item Table of Contents (Alphabetically by Line Item Title)..... Volume 1 - xxxix
Exhibit P-40s..... Volume 1 - 1

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Cost Statement

The following Justification Books were prepared at a cost of \$472,560: Aircraft (ACFT), Missile (MSLS), Weapons & Tracked Combat Vehicles (WTCV), Ammunition (AMMO), Other Procurement Army (OPA) 1 - Tactical & Support Vehicles, Other Procurement Army (OPA) 2 – Communications & Electronics, Other Procurement Army (OPA) 3 & 4 - Other Support Equipment & Spares, Research, Development, Test and Evaluation (RDTE) for: Budget Activity 1, Budget Activity 2, Budget Activity 3, Budget Activity 4, Budget Activity 5A, Budget Activity 5B, Budget Activity 5C, Budget Activity 6, Budget Activity 7, and Budget Activity 8.

OTHER PROCUREMENT, ARMY

Appropriation Language

For construction, procurement, production, and modification of Other Procurement, Army, 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, \$8,873,558,000 to remain available for obligation until September 30, 2024.

The FY 2022 Overseas Contingency Operations accounted for in the base budget are as follows:

Direct War costs accounted for in the Base Budget: \$265,947,000: Direct War costs are those combat or direct combat support costs that will not continue to be expended once combat operations end at major contingency locations.

Enduring costs accounted for in the Base Budget: \$318,830,000: Enduring Requirements are enduring in theater and in CONUS costs that will likely remain after combat operations cease, and have previously been funded in OCO.

FY 2021 includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

FY 2020 includes Division A, Title IX and X of the Consolidated Appropriations Act, 2020 (P.L. 116-93), Division F, Title IV and V from the Further Consolidated Appropriations Act, 2020 (P.L. 116-94) and the Coronavirus Aid, Relief, and Economic Security Act (P.L. 116-136).

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Department of the Army
 FY 2022 President's Budget
 Exhibit P-1 FY 2022 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

05 May 2021

Appropriation -----	FY 2020 Actual*	FY 2021 Enacted** -----	FY 2022 Request -----
Other Procurement, Army	8,551,633	9,527,935	8,873,558
Total Department of the Army	8,551,633	9,527,935	8,873,558

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Department of the Army
 FY 2022 President's Budget
 Exhibit P-1 FY 2022 President's Budget
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05 May 2021

Appropriation: Other Procurement, Army

Budget Activity -----	FY 2020 Actual*	FY 2021 Enacted**	FY 2022 Request
01. Tactical and Support Vehicles	1,814,863	1,690,185	939,081
02. Communications and Electronics Equipment	4,219,959	5,276,078	5,822,037
03. Other Support Equipment	2,507,054	2,551,722	2,103,168
04. Spare and Repair Parts	9,757	9,950	9,272
Total Other Procurement, Army	8,551,633	9,527,935	8,873,558

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Department of the Army
 FY 2022 President's Budget
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 (Dollars in Thousands)

05 May 2021

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2020 Actual*		FY 2021 Enacted**		FY 2022 Request		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Tactical and Support Vehicles									
Tactical Vehicles									
1	Tactical Trailers/Dolly Sets	A		12,993		9,653			U
2	Semitrailers, Flatbed:	A		102,386		22,460		12,539	U
3	Semitrailers, tankers	A				17,082		17,985	U
4	HI MOB MULTI-PURP WHLD VEH (HMMWV)			127,271		126,747		60,706	U
5	Ground Mobility Vehicles (GMV)	A		37,038		29,247		29,807	U
6	ARNG HMMWV Modernization Program	A				100,000			U
7	JOINT LIGHT TACTICAL VEHICLE	A		972,407					U
8	JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICL	A				884,414		574,562	U
9	TRUCK, DUMP, 20T (CCE)			13,006		29,368		9,882	U
10	Family Of Medium Tactical Veh (FMTV)			138,057		181,092		36,885	U
11	Family of Cold Weather All-Terrain Vehicle (C	A				9,249		16,450	U
12	Firetrucks & Associated Firefighting Equip			28,048		27,687		26,256	U
13	Family Of Heavy Tactical Vehicles (FHTV)			38,718		6,500		64,282	U
14	PLS ESP	A		25,543		33,146		16,943	U
15	Hvy Expanded Mobile Tactical Truck Ext Serv			95,683		92,619			U
16	HMMWV Recapitalization Program			36,734					U
17	Tactical Wheeled Vehicle Protection Kits	A		85,113		63,563		17,957	U
18	Modification Of In Svc Equip			73,627		56,112		29,349	U

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05 May 2021

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2020 Actual*		FY 2021 Enacted**		FY 2022 Request		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Non-Tactical Vehicles									
19	Heavy Armored Vehicle			791					U
20	Passenger Carrying Vehicles			1,416		1,246		1,232	U
21	NonTactical Vehicles, Other	A		26,032				24,246	U
Total Tactical and Support Vehicles				1,814,863		1,690,185		939,081	
Budget Activity 02: Communications and Electronics Equipment									

Comm - Joint Communications									
22	Signal Modernization Program	A		128,913		151,179		140,036	U
23	Tactical Network Technology Mod In Svc	A		483,439		347,782		436,524	U
24	SITUATION INFORMATION TRANSPORT	A		46,693		63,396			U
25	Disaster Incident Response Comms Terminal (DI	A						3,863	U
26	JCSE Equipment (USRDECOM)			5,075		5,170		4,845	U
Comm - Satellite Communications									
27	Spectrum METSAT	A		6,800					U
28	Spectrum Portal	A		51					U
29	Defense Enterprise Wideband Satcom Systems			98,399		101,498		97,369	U
30	Transportable Tactical Command Communications	A		99,071		110,450		120,550	U
31	SHF Term			15,054		13,173		38,129	U
32	Assured Positioning, Navigation and Timing	A		43,452		140,953		115,291	U
33	SMART-T (SPACE)			11,340		8,900		15,407	U
34	Global Brdcst Svc - GBS			11,800		8,510		2,763	U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	
35	ENROUTE MISSION COMMAND (EMC)	A		8,609					U
36	Spectrum Microwave			17,233					U
	Comm - C3 System								
37	COE Tactical Server Infrastructure (TSI)	A		67,533	86,198		99,858		U
	Comm - Combat Communications								
38	Handheld Manpack Small Form Fit (HMS)	A		468,026	547,148		775,069		U
39	Radio Terminal Set, MIDS LVT(2)	A		24,128	8,237				U
40	ARMY LINK 16 SYSTEMS	A					17,749		U
41	Spider Family of Networked Munitions Incr	A		10,930					U
42	Unified Command Suite	A		18,291	19,579		17,984		U
43	COTS Communications Equipment	A		76,030	108,556		191,702		U
44	Family of Med Comm for Combat Casualty Care	A		19,221	19,570		15,957		U
45	Army Communications & Electronics	A		37,856	51,480		89,441		U
	Comm - Intelligence Comm								
47	CI AUTOMATION ARCHITECTURE-INTEL	A		17,078	14,376		13,317		U
48	Defense Military Deception Initiative	A		3,704	5,624		5,207		U
49	MULTI-DOMAIN INTELLIGENCE	A					20,095		U
	Information Security								
50	FAMILY OF BIOMETRICS	A		1,000					U
51	Information System Security Program-ISSP	A		3,600	4,596		987		U
52	Communications Security (COMSEC)	A		147,097	159,400		126,273		U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	
53	Defensive CYBER Operations	A		56,962		41,153		27,389	U
54	Insider Threat Program - Unit Activity Monito	A		756		1,760			U
55	Persistent Cyber Training Environment	A		3,000					U
56	SIO CAPABILITY	A						21,303	U
57	BIOMETRIC ENABLING CAPABILITY (BEC)							914	U
58	Items Less Than \$5M (Info Security)	A				260			U
	Comm - Long Haul Communications								
59	Base Support Communications			56,052		30,761		9,209	U
	Comm - Base Communications								
60	Information Systems			208,721		162,973		219,026	U
61	Emergency Management Modernization Program	A		4,854				4,875	U
62	Home Station Mission Command Centers (HSMCC)	A		47,174		15,227			U
63	Joint Information Environment (JIE)	A				3,177			U
64	Installation Info Infrastructure Mod Program	A		341,314		343,724		223,001	U
	Elect Equip - Tact Int Rel Act (TIARA)								
67	JTT/CIBS-M	B		7,686		5,304		5,463	U
68	TERRESTRIAL LAYER SYSTEMS (TLS)					8,081		39,240	U
69	DRUG INTERDICTION PROGRAM (DIP) (TIARA)			5,063					U
70	DCGS-A-INTEL			205,219		197,595		92,613	U
71	JOINT TACTICAL GROUND STATION (JTAGS)-INTEL	A						8,088	U
72	TROJAN	B		20,965		19,359		30,828	U

P-122BAS: FY 2022 President's Budget (Total Base Published Version), as of May 5, 2021 at 14:05:21

Page A-6

UNCLASSIFIED

Volume 1 - ix

UNCLASSIFIED

Department of the Army
 FY 2022 President's Budget
 Exhibit P-1 FY 2022 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

05 May 2021

Appropriation: 2035A Other Procurement, Army

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	
73	MOD OF IN-SVC EQUIP (INTEL SPT)			61,103		127,508		39,039	U
74	BIOMETRIC TACTICAL COLLECTION DEVICES	A		1,800		13,336		11,097	U
	Elect Equip - Electronic Warfare (EW)								
75	Lightweight Counter Mortar Radar	A		5,400		5,332			U
76	EW Planning & Management Tools (EWPMT)	A		7,568		7,849		783	U
77	AIR VIGILANCE (AV)	A		8,953		8,160		13,486	U
78	Multi-Function Electronic Warfare (MFEW) Syst	A				8,669			U
79	FAMILY OF PERSISTENT SURVEILLANCE CAP.	A		31,493		42,043		14,414	U
80	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES			7,418		40,913		19,111	U
81	CI MODERNIZATION	A		121		300		421	U
	Elect Equip - Tactical Surv. (Tac Surv)								
82	Sentinel Mods			133,910		92,380		47,642	U
83	Night Vision Devices	A		85,202		867,823		1,092,341	U
84	Small Tactical Optical Rifle Mounted MLRF			22,623		7,715		21,103	U
85	Indirect Fire Protection Family Of Systems	A		29,127		61,069		6,153	U
86	FAMILY OF WEAPON SIGHTS (FWS)	A		81,541		86,389		184,145	U
87	ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SE							2,371	U
88	Forward Looking Infrared (IFLIR)	A						11,929	U
89	COUNTER SMALL UNMANNED AERIAL SYSTEM (C-SUAS)	A						60,058	U
90	JOINT BATTLE COMMAND - PLATFORM (JBC-P)	A		282,114		243,850		263,661	U
91	JOINT EFFECTS TARGETING SYSTEM (JETS)			25,330		54,206		62,082	U

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UNCLASSIFIED

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	
92	Mod Of In-Svc Equip (LLDR)	A		6,044					U
93	Computer Ballistics: LHMC XM32	A		4,474		7,789		2,811	U
94	Mortar Fire Control System			28,538		17,472		17,236	U
95	Mortar Fire Control Systems Modifications			10,000		7,292		2,830	U
96	Counterfire Radars			16,416		71,404		31,694	U
	Elect Equip - Tactical C2 Systems								
97	Army Command Post Integrated Infrastructure (A				23,000		49,410	U
98	Fire Support C2 Family	A		13,197		9,390		9,853	U
99	AIR & MSL Defense Planning & Control Sys			39,061		62,517		67,193	U
100	IAMD Battle Command System	A		29,629		198,587		301,872	U
101	Life Cycle Software Support (LCSS)			5,420		2,495		5,182	U
102	Network Management Initialization and Service	A		24,448		18,651		31,349	U
103	Maneuver Control System (MCS)	A		260					U
104	Global Combat Support System-Army (GCSS-A)	A		8,815		2,792		11,271	U
105	Integrated Personnel and Pay System-Army (IPP	A		14,100		9,071		16,077	U
106	Reconnaissance and Surveying Instrument Set	A		11,000		12,117			U
107	MOD of In-Svc Equipment (ENFIRE)	A		15,317		14,004		3,160	U
	Elect Equip - Automation								
108	Army Training Modernization			19,220		19,262		9,833	U
109	Automated Data Processing Equip			179,715		151,187		130,924	U
110	ACCESSIONS INFORMATION ENVIRONMENT (AIE)							44,635	U

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UNCLASSIFIED

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	
111	General Fund Enterprise Business Systems Fam	A		15,002		4,448		1,452	U
112	High Perf Computing Mod Pgm (HPCMP)	A		72,610		88,405		69,943	U
113	Contract Writing System	A		6,000		2,459		16,957	U
114	CSS Communications	A		24,700		51,129		73,110	U
115	Reserve Component Automation Sys (RCAS)			27,879		14,848		12,905	U
	Elect Equip - Audio Visual Sys (A/V)								
116	Items Less Than \$5M (Surveying Equipment)			5,000		4,995			U
	Elect Equip - Support								
117	BCT Emerging Technologies	A		19,312		8,491		13,835	U
999	Classified Programs			11,910		1,582		18,304	U
Total Communications and Electronics Equipment				4,219,959		5,276,078		5,822,037	
Budget Activity 03: Other Support Equipment									

Chemical Defensive Equipment									
118	Family Of Non-Lethal Equipment (FNLE)	A		28,480		32,480			U
119	Base Defense Systems (BDS)	A		39,984		98,960		62,295	U
120	CBRN Defense	A		43,289		47,343		55,632	U
121	Smoke & Obscurant Family: SOF (Non AAO Item)			5,050		13,995			U
Bridging Equipment									
122	Tactical Bridging			64,705		60,945		9,625	U
123	Tactical Bridge, Float-Ribbon			57,661		72,074		76,082	U
124	BRIDGE SUPPLEMENTAL SET	A		14,373		32,493		19,867	U

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Line No	Item Nomenclature	Ident Code	FY 2020 Actual*		FY 2021 Enacted**		FY 2022 Request		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
125	Common Bridge Transporter (CBT) Recap Engineer (Non-Construction) Equipment	A		46,748		55,032		109,796	U
126	Handheld Standoff Minefield Detection Sys-HST	B		7,570		5,570		5,628	U
127	Grnd Standoff Mine Detectn Sysm (GSTAMIDS)			40,680		2,497			U
128	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	A		75,586		95,608		26,823	U
129	Robotic Combat Support System (RCSS)			5,300					U
130	EOD Robotics Systems Recapitalization	A		23,115		36,584			U
131	Robotics and Applique Systems			101,056		172,744		124,233	U
132	Render Safe Sets kits Outfits	A		102,684		145,313		84,000	U
133	Family of Boats and Motors Combat Service Support Equipment	A		5,745		5,289			U
134	Heaters and ECU's	A		5,876		8,570		7,116	U
135	Soldier Enhancement							1,286	U
136	Personnel Recovery Support System (PRSS)	A		9,382		8,346		9,741	U
137	Ground Soldier System	A		122,400		137,481		150,244	U
138	Mobile Soldier Power	A		29,364		34,297		17,815	U
139	Force Provider	A		64,400		62,400		28,860	U
140	Field Feeding Equipment			15,973		2,279		2,321	U
141	Cargo Aerial Del & Personnel Parachute System			44,662		55,061		40,240	U
142	Family Of Engr Combat and Construction Sets	A		11,451		23,324		36,163	U
143	Items Less Than \$5M (Eng Spt)	A		4,128		8,014			U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Petroleum Equipment									
144	QUALITY SURVEILLANCE EQUIPMENT	A						744	U
145	Distribution Systems, Petroleum & Water			84,527		76,722		72,296	U
Medical Equipment									
146	Combat Support Medical			147,874		75,875		122,145	U
Maintenance Equipment									
147	Mobile Maintenance Equipment Systems	A		140,053		168,106		14,756	U
148	Items Less Than \$5.0M (Maint Eq)	A		5,608		5,570			U
Construction Equipment									
149	Grader, Road Mtzd, Hvy, 6X4 (CCE)	A				5,406			U
150	Scrapers, Earthmoving	A		3,910		4,188			U
151	Loaders			380		7,711			U
152	Hydraulic Excavator	B		600		12,786			U
153	Tractor, Full Tracked	A		13,060		12,165			U
154	All Terrain Cranes	A		22,403		70,560		112,784	U
155	High Mobility Engineer Excavator (HMEE)	A		30,188		3,703			U
156	Const Equip ESP			38,560		9,582		8,694	U
157	Items Less Than \$5.0M (Const Equip)	A		5,331					U
Rail Float Containerization Equipment									
158	Army Watercraft Esp	A		42,232		40,910		44,409	U
159	Maneuver Support Vessel (MSV)	B		14,185		76,576		76,660	U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	
160	Items Less Than \$5.0M (Float/Rail) Generators	A		6,920		1,844			U
161	Generators And Associated Equip	A		115,912		101,239		47,606	U
162	Tactical Electric Power Recapitalization Material Handling Equipment	A		14,814		22,216		10,500	U
163	Family Of Forklifts Training Equipment	A		19,016		17,995		13,325	U
164	Combat Training Centers Support			125,411		90,580		79,565	U
165	Training Devices, Nonsystem			215,453		161,814		174,644	U
166	Synthetic Training Environment (STE)			14,449		13,063		122,104	U
167	Aviation Combined Arms Tactical Trainer			4,840					U
168	Gaming Technology In Support of Army Training Test Measure and Dig Equipment (TMD)			13,463		1,950		11,642	U
169	Calibration Sets Equipment			3,030		2,511			U
170	Integrated Family Of Test Equipment (IFTE)			81,058		77,214		42,934	U
171	Test Equipment Modernization (TEMOD)			10,732		14,941			U
172	Test Equipment Modernization (TEMOD) Other Support Equipment	A					399	24,304	U
173	Rapid Equipping Soldier Support Equipment	A		27,877		17,129			U
174	Physical Security Systems (OPA3)	A		88,974		89,251		86,930	U
175	Base Level Common Equipment			15,340		15,650		27,823	U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	
176	Modification Of In-Svc Equipment (OPA-3)			106,812		66,485		32,392	U
177	BUILDING, PRE-FAB, RELOCATABLE	A		114,559		31,845		32,227	U
178	Special Equipment For User Testing			9,821					U
179	Special Equipment for Test and Evaluation	B				39,436		76,917	U
	Total Other Support Equipment			2,507,054		2,551,722		2,103,168	
Budget Activity 04: Spare and Repair Parts									

OPA2									
180	INITIAL SPARES - C&E			9,757		9,950		9,272	U
	Total Spare and Repair Parts			9,757		9,950		9,272	
	Total Other Procurement, Army			8,551,633		9,527,935		8,873,558	

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

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

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
1	01	10	0254DA0100	Tactical Trailers/Dolly Sets.....	Volume 1 - 1
2	01	10	0930D01001	Semitrailers, Flatbed:.....	Volume 1 - 3
3	01	10	1400D02001	Semitrailers, tankers.....	Volume 1 - 16
4	01	10	3446D15400	HI MOB MULTI-PURP WHLD VEH (HMMWV).....	Volume 1 - 24
5	01	10	3484D15501	Ground Mobility Vehicles (GMV).....	Volume 1 - 35
6	01	10	3636D10000	ARNG HMMWV Modernization Program.....	Volume 1 - 44
7	01	10	5600D15603	JOINT LIGHT TACTICAL VEHICLE.....	Volume 1 - 46
8	01	10	5731D15610	JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES.....	Volume 1 - 48
9	01	10	5862D16001	TRUCK, DUMP, 20T (CCE).....	Volume 1 - 64
10	01	10	6866D15500	Family Of Medium Tactical Veh (FMTV).....	Volume 1 - 72
11	01	10	6880D15620	Family of Cold Weather All-Terrain Vehicle (CATV).....	Volume 1 - 85
12	01	10	7000D15800	Firetrucks & Associated Firefighting Equip.....	Volume 1 - 93
13	01	10	8309DA0500	Family Of Heavy Tactical Vehicles (FHTV).....	Volume 1 - 102
14	01	10	8331D16506	PLS ESP.....	Volume 1 - 118
15	01	10	8948DV0021	Hvy Expanded Mobile Tactical Truck Ext Serv.....	Volume 1 - 127
16	01	10	8953DV0230	HMMWV Recapitalization Program.....	Volume 1 - 129

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
17	01	10	8980D04003	Tactical Wheeled Vehicle Protection Kits.....	Volume 1 - 131
18	01	10	8992DA0924	Modification Of In Svc Equip.....	Volume 1 - 143
19	01	20	0300D22100	Heavy Armored Vehicle.....	Volume 1 - 160
20	01	20	0358D23000	Passenger Carrying Vehicles.....	Volume 1 - 161
21	01	20	2450D30000	NonTactical Vehicles, Other.....	Volume 1 - 163

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
22	02	12	1981B00010	Signal Modernization Program.....	Volume 2 - 1
23	02	12	1982B07100	Tactical Network Technology Mod In Svc.....	Volume 2 - 14
24	02	12	1983BW7200	SITUATION INFORMATION TRANSPORT.....	Volume 2 - 20
25	02	12	2161B47200	Disaster Incident Response Comms Terminal (DIRECT).....	Volume 2 - 21
26	02	12	2930BB5777	JCSE Equipment (USRDECOM).....	Volume 2 - 23
27	02	18	2936B09800	Spectrum METSAT.....	Volume 2 - 25
28	02	18	2937B09700	Spectrum Portal.....	Volume 2 - 26
29	02	18	2948BB8500	Defense Enterprise Wideband Satcom Systems.....	Volume 2 - 27

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
30	02	18	2956B85800	Transportable Tactical Command Communications (T2C).....	Volume 2 - 43
31	02	18	9810BA9350	SHF Term.....	Volume 2 - 54
32	02	18	9897K49000	Assured Positioning, Navigation and Timing.....	Volume 2 - 64
33	02	18	9910BC4002	SMART-T (SPACE).....	Volume 2 - 82
34	02	18	9915BC4120	Global Brdcst Svc - GBS.....	Volume 2 - 88
35	02	18	9922B08400	ENROUTE MISSION COMMAND (EMC).....	Volume 2 - 90
36	02	18	9923B09900	Spectrum Microwave.....	Volume 2 - 92
37	02	24	8151B70000	COE Tactical Server Infrastructure (TSI).....	Volume 2 - 93
38	02	32	6458B95004	Handheld Manpack Small Form Fit (HMS).....	Volume 2 - 100
39	02	32	6948B22603	Radio Terminal Set, MIDS LVT(2).....	Volume 2 - 119
40	02	32	7264B24400	ARMY LINK 16 SYSTEMS.....	Volume 2 - 124
41	02	32	8558B54020	Spider Family of Networked Munitions Incr.....	Volume 2 - 131
42	02	32	8563B58601	Unified Command Suite.....	Volume 2 - 133
43	02	32	9164BU8100	COTS Communications Equipment.....	Volume 2 - 139
44	02	32	9885MA8000	Family of Med Comm for Combat Casualty Care.....	Volume 2 - 177
45	02	32	9887B88810	Army Communications & Electronics.....	Volume 2 - 186
47	02	36	0250BK5284	CI AUTOMATION ARCHITECTURE-INTEL.....	Volume 2 - 189
48	02	36	0256K61010	Defense Military Deception Initiative.....	Volume 2 - 194

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
49	02	36	0287BZ6100	MULTI-DOMAIN INTELLIGENCE.....	Volume 2 - 197
50	02	64	0121BA1300	FAMILY OF BIOMETRICS.....	Volume 2 - 201
51	02	64	0122TA0600	Information System Security Program-ISSP.....	Volume 2 - 202
52	02	64	0125B96000	Communications Security (COMSEC).....	Volume 2 - 204
53	02	64	0128B63000	Defensive CYBER Operations.....	Volume 2 - 215
54	02	64	0131B89000	Insider Threat Program - Unit Activity Monitoring.....	Volume 2 - 222
55	02	64	0132B65010	Persistent Cyber Training Environment.....	Volume 2 - 224
56	02	64	0150B68000	SIO CAPABILITY.....	Volume 2 - 225
57	02	64	0152B13000	BIOMETRIC ENABLING CAPABILITY (BEC).....	Volume 2 - 228
58	02	64	9091B85010	Items Less Than \$5M (Info Security).....	Volume 2 - 229
59	02	72	9716BU4160	Base Support Communications.....	Volume 2 - 230
60	02	73	9200BB8650	Information Systems.....	Volume 2 - 236
61	02	73	9666BU8000	Emergency Management Modernization Program.....	Volume 2 - 251
62	02	73	9674B33000	Home Station Mission Command Centers (HSMCC).....	Volume 2 - 253
63	02	73	9683B80000	Joint Information Environment (JIE).....	Volume 2 - 255
64	02	73	9700BU0500	Installation Info Infrastructure Mod Program.....	Volume 2 - 256
67	02	80	9522V29600	JTT/CIBS-M.....	Volume 2 - 278
68	02	80	9546B97600	TERRESTRIAL LAYER SYSTEMS (TLS).....	Volume 2 - 282

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
69	02	80	9654BU4050	DRUG INTERDICTION PROGRAM (DIP) (TIARA).....	Volume 2 - 289
70	02	80	9690BZ7316	DCGS-A-INTEL.....	Volume 2 - 290
71	02	80	9692BZ8401	JOINT TACTICAL GROUND STATION (JTAGS)-INTEL.....	Volume 2 - 297
72	02	80	9704BA0326	TROJAN.....	Volume 2 - 301
73	02	80	9912BZ9750	MOD OF IN-SVC EQUIP (INTEL SPT).....	Volume 2 - 310
74	02	80	9988BK5300	BIOMETRIC TACTICAL COLLECTION DEVICES.....	Volume 2 - 317
75	02	83	8387B05201	Lightweight Counter Mortar Radar.....	Volume 2 - 320
76	02	83	8488K00002	EW Planning & Management Tools (EWPMT).....	Volume 2 - 322
77	02	83	8489W60001	AIR VIGILANCE (AV).....	Volume 2 - 323
78	02	83	8491B05000	Multi-Function Electronic Warfare (MFEW) Systems.....	Volume 2 - 328
79	02	83	9926BL5287	FAMILY OF PERSISTENT SURVEILLANCE CAP.....	Volume 2 - 329
80	02	83	9996BL5283	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES.....	Volume 2 - 336
81	02	83	9997BL5285	CI MODERNIZATION.....	Volume 2 - 339
82	02	86	0125WK5057	Sentinel Mods.....	Volume 2 - 340
83	02	86	0140KA3500	Night Vision Devices.....	Volume 2 - 355
84	02	86	0155K35110	Small Tactical Optical Rifle Mounted MLRF.....	Volume 2 - 381
85	02	86	0173BZ0501	Indirect Fire Protection Family Of Systems.....	Volume 2 - 390
86	02	86	0177K22001	FAMILY OF WEAPON SIGHTS (FWS).....	Volume 2 - 397

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
87	02	86	0187AD3260	ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER.....	Volume 2 - 417
88	02	86	0214KA4510	Forward Looking Infrared (IFLIR).....	Volume 2 - 419
89	02	86	0219AD0500	COUNTER SMALL UNMANNED AERIAL SYSTEM (C-SUAS).....	Volume 2 - 423
90	02	86	0245W61990	JOINT BATTLE COMMAND - PLATFORM (JBC-P).....	Volume 2 - 427
91	02	86	0254K32101	JOINT EFFECTS TARGETING SYSTEM (JETS).....	Volume 2 - 438
92	02	86	0255KA3100	Mod Of In-Svc Equip (LLDR).....	Volume 2 - 447
93	02	86	5726K99200	Computer Ballistics: LHMBC XM32.....	Volume 2 - 449
94	02	86	7500K99300	Mortar Fire Control System.....	Volume 2 - 451
95	02	86	7563AD9300	Mortar Fire Control Systems Modifications.....	Volume 2 - 459
96	02	86	8386BA5500	Counterfire Radars.....	Volume 2 - 460
97	02	89	9042B29810	Army Command Post Integrated Infrastructure (CPI2).....	Volume 2 - 468
98	02	89	9060B28501	Fire Support C2 Family.....	Volume 2 - 478
99	02	89	9266AD5070	AIR & MSL Defense Planning & Control Sys.....	Volume 2 - 490
100	02	89	9280BZ5075	IAMD Battle Command System.....	Volume 2 - 495
101	02	89	9442BD3955	Life Cycle Software Support (LCSS).....	Volume 2 - 505
102	02	89	9705BA9301	Network Management Initialization and Services.....	Volume 2 - 509
103	02	89	9742BA9320	Maneuver Control System (MCS).....	Volume 2 - 518
104	02	89	9875W30001	Global Combat Support System-Army (GCSS-A).....	Volume 2 - 519

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
105	02	89	9921B66701	Integrated Personnel and Pay System-Army (IPPS-A).....	Volume 2 - 527
106	02	89	9966BZ9966	Reconnaissance and Surveying Instrument Set.....	Volume 2 - 533
107	02	89	9971B99901	MOD of In-Svc Equipment (ENFIRE).....	Volume 2 - 535
108	02	92	3001BE4169	Army Training Modernization.....	Volume 2 - 537
109	02	92	3002BD3000	Automated Data Processing Equip.....	Volume 2 - 546
110	02	92	3003B45000	ACCESSIONS INFORMATION ENVIRONMENT (AIE).....	Volume 2 - 578
111	02	92	3004B55500	General Fund Enterprise Business Systems Fam.....	Volume 2 - 584
112	02	92	3005B66501	High Perf Computing Mod Pgm (HPCMP).....	Volume 2 - 586
113	02	92	3009B66001	Contract Writing System.....	Volume 2 - 592
114	02	92	3051BD3501	CSS Communications.....	Volume 2 - 596
115	02	92	9956BE4167	Reserve Component Automation Sys (RCAS).....	Volume 2 - 603
116	02	95	9998BL5300	Items Less Than \$5M (Surveying Equipment).....	Volume 2 - 609
117	02	98	2723B88801	BCT Emerging Technologies.....	Volume 2 - 611

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
118	03	10	2224M11205	Family Of Non-Lethal Equipment (FNLE).....	Volume 3 - 1
119	03	10	2300M90101	Base Defense Systems (BDS).....	Volume 3 - 3
120	03	10	4516M01001	CBRN Defense.....	Volume 3 - 18
121	03	10	6230MX0600	Smoke & Obscurant Family: SOF (Non AAO Item).....	Volume 3 - 42
122	03	15	2831MX0100	Tactical Bridging.....	Volume 3 - 43
123	03	15	3542MA8890	Tactical Bridge, Float-Ribbon.....	Volume 3 - 50
124	03	15	3758G06520	BRIDGE SUPPLEMENTAL SET.....	Volume 3 - 58
125	03	15	3974G07000	Common Bridge Transporter (CBT) Recap.....	Volume 3 - 66
126	03	20	2876R68200	Handheld Standoff Minefield Detection Sys-HSTAMIDS.....	Volume 3 - 74
127	03	20	2881R68400	Grnd Standoff Mine Detectn Systm (GSTAMIDS).....	Volume 3 - 79
128	03	20	2889R64001	HUSKY MOUNTED DETECTION SYSTEM (HMDS).....	Volume 3 - 81
129	03	20	4865M80400	Robotic Combat Support System (RCSS).....	Volume 3 - 90
130	03	20	4867W12001	EOD Robotics Systems Recapitalization.....	Volume 3 - 91
131	03	20	4868W12002	Robotics and Applique Systems.....	Volume 3 - 93
132	03	20	5913R63610	Render Safe Sets kits Outfits.....	Volume 3 - 125
133	03	20	8500R12001	Family of Boats and Motors.....	Volume 3 - 133

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
134	03	25	0100MF9000	Heaters and ECU's.....	Volume 3 - 135
135	03	25	8796MA6800	Soldier Enhancement.....	Volume 3 - 141
136	03	25	8822G01101	Personnel Recovery Support System (PRSS).....	Volume 3 - 142
137	03	25	8825R80501	Ground Soldier System.....	Volume 3 - 147
138	03	25	8827R80800	Mobile Soldier Power.....	Volume 3 - 154
139	03	25	8860M80200	Force Provider.....	Volume 3 - 166
140	03	25	9120M65800	Field Feeding Equipment.....	Volume 3 - 175
141	03	25	9140MA7804	Cargo Aerial Del & Personnel Parachute Systems.....	Volume 3 - 177
142	03	25	9462R70001	Family Of Engr Combat and Construction Sets.....	Volume 3 - 185
143	03	25	9530ML5301	Items Less Than \$5M (Eng Spt).....	Volume 3 - 222
144	03	30	0725MB6400	QUALITY SURVEILLANCE EQUIPMENT.....	Volume 3 - 224
145	03	30	4700MA6000	Distribution Systems, Petroleum & Water.....	Volume 3 - 226
146	03	40	7500MN1000	Combat Support Medical.....	Volume 3 - 259
147	03	45	0639G05301	Mobile Maintenance Equipment Systems.....	Volume 3 - 270
148	03	45	9562ML5345	Items Less Than \$5.0M (Maint Eq).....	Volume 3 - 295
149	03	50	0375R03800	Grader, Road Mtzd, Hvy, 6X4 (CCE).....	Volume 3 - 297
150	03	50	0822RA0100	Scrapers, Earthmoving.....	Volume 3 - 299
151	03	50	4100R04500	Loaders.....	Volume 3 - 301

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
152	03	50	4428X01500	Hydraulic Excavator.....	Volume 3 - 303
153	03	50	4700M05800	Tractor, Full Tracked.....	Volume 3 - 305
154	03	50	4734R06701	All Terrain Cranes.....	Volume 3 - 307
155	03	50	7495R05901	High Mobility Engineer Excavator (HMEE).....	Volume 3 - 313
156	03	50	9120M05500	Const Equip ESP.....	Volume 3 - 315
157	03	50	9462ML5350	Items Less Than \$5.0M (Const Equip).....	Volume 3 - 321
158	03	55	3569M11101	Army Watercraft Esp.....	Volume 3 - 323
159	03	55	8211R01001	Maneuver Support Vessel (MSV).....	Volume 3 - 332
160	03	55	9552ML5355	Items Less Than \$5.0M (Float/Rail).....	Volume 3 - 341
161	03	60	0426MA9800	Generators And Associated Equip.....	Volume 3 - 343
162	03	60	9012R42501	Tactical Electric Power Recapitalization.....	Volume 3 - 372
163	03	65	5558G41001	Family Of Forklifts.....	Volume 3 - 381
164	03	70	1780MA6600	Combat Training Centers Support.....	Volume 3 - 390
165	03	70	2062NA0100	Training Devices, Nonsystem.....	Volume 3 - 402
166	03	70	2079NA2000	Synthetic Training Environment (STE).....	Volume 3 - 444
167	03	70	6800NA0173	Aviation Combined Arms Tactical Trainer.....	Volume 3 - 465
168	03	70	6860NA0176	Gaming Technology In Support of Army Training.....	Volume 3 - 467
169	03	80	0100N10000	Calibration Sets Equipment.....	Volume 3 - 473

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
170	03	80	0200MB4000	Integrated Family Of Test Equipment (IFTE).....	Volume 3 - 475
171	03	80	0600N11000	Test Equipment Modernization (TEMOD).....	Volume 3 - 491
172	03	80	0605G02510	Test Equipment Modernization (TEMOD).....	Volume 3 - 493
173	03	90	0017M80101	Rapid Equipping Soldier Support Equipment.....	Volume 3 - 510
174	03	90	0050MA0780	Physical Security Systems (OPA3).....	Volume 3 - 512
175	03	90	0312MB7000	Base Level Common Equipment.....	Volume 3 - 525
176	03	90	1110MA4500	Modification Of In-Svc Equipment (OPA-3).....	Volume 3 - 529
177	03	90	1500MA9160	BUILDING, PRE-FAB, RELOCATABLE.....	Volume 3 - 560
178	03	90	1572MA6700	Special Equipment For User Testing.....	Volume 3 - 568
179	03	90	1573MA6820	Special Equipment for Test and Evaluation.....	Volume 3 - 569

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
180	04	20	0200BS9100	INITIAL SPARES - C&E.....	Volume 3 - 581

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Master Line Item Table of Contents (Alphabetically by Line Item Title)

Line Item Title	Line Item Number	Line #	BA	BSA	Page
ACCESSIONS INFORMATION ENVIRONMENT (AIE)	3003B45000	110	02	92.....	Volume 2 - 578
AIR & MSL Defense Planning & Control Sys	9266AD5070	99	02	89.....	Volume 2 - 490
AIR VIGILANCE (AV)	8489W60001	77	02	83.....	Volume 2 - 323
ARMY LINK 16 SYSTEMS	7264B24400	40	02	32.....	Volume 2 - 124
ARNG HMMWV Modernization Program	3636D10000	6	01	10.....	Volume 1 - 44
All Terrain Cranes	4734R06701	154	03	50.....	Volume 3 - 307
Army Command Post Integrated Infrastructure (CPI2)	9042B29810	97	02	89.....	Volume 2 - 468
Army Communications & Electronics	9887B88810	45	02	32.....	Volume 2 - 186
Army Training Modernization	3001BE4169	108	02	92.....	Volume 2 - 537
Army Watercraft Esp	3569M11101	158	03	55.....	Volume 3 - 323
Assured Positioning, Navigation and Timing	9897K49000	32	02	18.....	Volume 2 - 64
Automated Data Processing Equip	3002BD3000	109	02	92.....	Volume 2 - 546
Aviation Combined Arms Tactical Trainer	6800NA0173	167	03	70.....	Volume 3 - 465
BCT Emerging Technologies	2723B88801	117	02	98.....	Volume 2 - 611
BIOMETRIC ENABLING CAPABILITY (BEC)	0152B13000	57	02	64.....	Volume 2 - 228
BIOMETRIC TACTICAL COLLECTION DEVICES	9988BK5300	74	02	80.....	Volume 2 - 317
BRIDGE SUPPLEMENTAL SET	3758G06520	124	03	15.....	Volume 3 - 58

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
BUILDING, PRE-FAB, RELOCATABLE	1500MA9160	177	03	90.....	Volume 3 - 560
Base Defense Systems (BDS)	2300M90101	119	03	10.....	Volume 3 - 3
Base Level Common Equipment	0312MB7000	175	03	90.....	Volume 3 - 525
Base Support Communications	9716BU4160	59	02	72.....	Volume 2 - 230
CBRN Defense	4516M01001	120	03	10.....	Volume 3 - 18
CI AUTOMATION ARCHITECTURE-INTEL	0250BK5284	47	02	36.....	Volume 2 - 189
CI MODERNIZATION	9997BL5285	81	02	83.....	Volume 2 - 339
COE Tactical Server Infrastructure (TSI)	8151B70000	37	02	24.....	Volume 2 - 93
COTS Communications Equipment	9164BU8100	43	02	32.....	Volume 2 - 139
COUNTER SMALL UNMANNED AERIAL SYSTEM (C-SUAS)	0219AD0500	89	02	86.....	Volume 2 - 423
COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	9996BL5283	80	02	83.....	Volume 2 - 336
CSS Communications	3051BD3501	114	02	92.....	Volume 2 - 596
Calibration Sets Equipment	0100N10000	169	03	80.....	Volume 3 - 473
Cargo Aerial Del & Personnel Parachute Systems	9140MA7804	141	03	25.....	Volume 3 - 177
Combat Support Medical	7500MN1000	146	03	40.....	Volume 3 - 259
Combat Training Centers Support	1780MA6600	164	03	70.....	Volume 3 - 390
Common Bridge Transporter (CBT) Recap	3974G07000	125	03	15.....	Volume 3 - 66
Communications Security (COMSEC)	0125B96000	52	02	64.....	Volume 2 - 204
Computer Ballistics: LHMBC XM32	5726K99200	93	02	86.....	Volume 2 - 449
Const Equip ESP	9120M05500	156	03	50.....	Volume 3 - 315

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Contract Writing System	3009B66001	113	02	92.....	Volume 2 - 592
Counterfire Radars	8386BA5500	96	02	86.....	Volume 2 - 460
DCGS-A-INTEL	9690BZ7316	70	02	80.....	Volume 2 - 290
DRUG INTERDICTION PROGRAM (DIP) (TIARA)	9654BU4050	69	02	80.....	Volume 2 - 289
Defense Enterprise Wideband Satcom Systems	2948BB8500	29	02	18.....	Volume 2 - 27
Defense Military Deception Initiative	0256K61010	48	02	36.....	Volume 2 - 194
Defensive CYBER Operations	0128B63000	53	02	64.....	Volume 2 - 215
Disaster Incident Response Comms Terminal (DIRECT)	2161B47200	25	02	12.....	Volume 2 - 21
Distribution Systems, Petroleum & Water	4700MA6000	145	03	30.....	Volume 3 - 226
ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER	0187AD3260	87	02	86.....	Volume 2 - 417
ENROUTE MISSION COMMAND (EMC)	9922B08400	35	02	18.....	Volume 2 - 90
EOD Robotics Systems Recapitalization	4867W12001	130	03	20.....	Volume 3 - 91
EW Planning & Management Tools (EWPMPT)	8488K00002	76	02	83.....	Volume 2 - 322
Emergency Management Modernization Program	9666BU8000	61	02	73.....	Volume 2 - 251
FAMILY OF BIOMETRICS	0121BA1300	50	02	64.....	Volume 2 - 201
FAMILY OF PERSISTENT SURVEILLANCE CAP.	9926BL5287	79	02	83.....	Volume 2 - 329
FAMILY OF WEAPON SIGHTS (FWS)	0177K22001	86	02	86.....	Volume 2 - 397
Family Of Engr Combat and Construction Sets	9462R70001	142	03	25.....	Volume 3 - 185
Family Of Forklifts	5558G41001	163	03	65.....	Volume 3 - 381
Family Of Heavy Tactical Vehicles (FHTV)	8309DA0500	13	01	10.....	Volume 1 - 102

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Family Of Medium Tactical Veh (FMTV)	6866D15500	10	01	10.....	Volume 1 - 72
Family Of Non-Lethal Equipment (FNLE)	2224M11205	118	03	10.....	Volume 3 - 1
Family of Boats and Motors	8500R12001	133	03	20.....	Volume 3 - 133
Family of Cold Weather All-Terrain Vehicle (CATV)	6880D15620	11	01	10.....	Volume 1 - 85
Family of Med Comm for Combat Casualty Care	9885MA8000	44	02	32.....	Volume 2 - 177
Field Feeding Equipment	9120M65800	140	03	25.....	Volume 3 - 175
Fire Support C2 Family	9060B28501	98	02	89.....	Volume 2 - 478
Firetrucks & Associated Firefighting Equip	7000D15800	12	01	10.....	Volume 1 - 93
Force Provider	8860M80200	139	03	25.....	Volume 3 - 166
Forward Looking Infrared (IFLIR)	0214KA4510	88	02	86.....	Volume 2 - 419
Gaming Technology In Support of Army Training	6860NA0176	168	03	70.....	Volume 3 - 467
General Fund Enterprise Business Systems Fam	3004B55500	111	02	92.....	Volume 2 - 584
Generators And Associated Equip	0426MA9800	161	03	60.....	Volume 3 - 343
Global Brdcst Svc - GBS	9915BC4120	34	02	18.....	Volume 2 - 88
Global Combat Support System-Army (GCSS-A)	9875W30001	104	02	89.....	Volume 2 - 519
Grader, Road Mtzd, Hvy, 6X4 (CCE)	0375R03800	149	03	50.....	Volume 3 - 297
Grnd Standoff Mine Detectn Sysm (GSTAMIDS)	2881R68400	127	03	20.....	Volume 3 - 79
Ground Mobility Vehicles (GMV)	3484D15501	5	01	10.....	Volume 1 - 35
Ground Soldier System	8825R80501	137	03	25.....	Volume 3 - 147
HI MOB MULTI-PURP WHLD VEH (HMMWV)	3446D15400	4	01	10.....	Volume 1 - 24

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
HMMWV Recapitalization Program	8953DV0230	16	01	10.....	Volume 1 - 129
HUSKY MOUNTED DETECTION SYSTEM (HMDS)	2889R64001	128	03	20.....	Volume 3 - 81
Handheld Manpack Small Form Fit (HMS)	6458B95004	38	02	32.....	Volume 2 - 100
Handheld Standoff Minefield Detection Sys-HSTAMIDS	2876R68200	126	03	20.....	Volume 3 - 74
Heaters and ECU's	0100MF9000	134	03	25.....	Volume 3 - 135
Heavy Armored Vehicle	0300D22100	19	01	20.....	Volume 1 - 160
High Mobility Engineer Excavator (HMEE)	7495R05901	155	03	50.....	Volume 3 - 313
High Perf Computing Mod Pgm (HPCMP)	3005B66501	112	02	92.....	Volume 2 - 586
Home Station Mission Command Centers (HSMCC)	9674B33000	62	02	73.....	Volume 2 - 253
Hvy Expanded Mobile Tactical Truck Ext Serv	8948DV0021	15	01	10.....	Volume 1 - 127
Hydraulic Excavator	4428X01500	152	03	50.....	Volume 3 - 303
IAMD Battle Command System	9280BZ5075	100	02	89.....	Volume 2 - 495
INITIAL SPARES - C&E	0200BS9100	180	04	20.....	Volume 3 - 581
Indirect Fire Protection Family Of Systems	0173BZ0501	85	02	86.....	Volume 2 - 390
Information System Security Program-ISSP	0122TA0600	51	02	64.....	Volume 2 - 202
Information Systems	9200BB8650	60	02	73.....	Volume 2 - 236
Insider Threat Program - Unit Activity Monitoring	0131B89000	54	02	64.....	Volume 2 - 222
Installation Info Infrastructure Mod Program	9700BU0500	64	02	73.....	Volume 2 - 256
Integrated Family Of Test Equipment (IFTE)	0200MB4000	170	03	80.....	Volume 3 - 475
Integrated Personnel and Pay System-Army (IPPS-A)	9921B66701	105	02	89.....	Volume 2 - 527

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Items Less Than \$5.0M (Const Equip)	9462ML5350	157	03	50.....	Volume 3 - 321
Items Less Than \$5.0M (Float/Rail)	9552ML5355	160	03	55.....	Volume 3 - 341
Items Less Than \$5.0M (Maint Eq)	9562ML5345	148	03	45.....	Volume 3 - 295
Items Less Than \$5M (Eng Spt)	9530ML5301	143	03	25.....	Volume 3 - 222
Items Less Than \$5M (Info Security)	9091B85010	58	02	64.....	Volume 2 - 229
Items Less Than \$5M (Surveying Equipment)	9998BL5300	116	02	95.....	Volume 2 - 609
JCSE Equipment (USRDECOM)	2930BB5777	26	02	12.....	Volume 2 - 23
JOINT BATTLE COMMAND - PLATFORM (JBC-P)	0245W61990	90	02	86.....	Volume 2 - 427
JOINT EFFECTS TARGETING SYSTEM (JETS)	0254K32101	91	02	86.....	Volume 2 - 438
JOINT LIGHT TACTICAL VEHICLE	5600D15603	7	01	10.....	Volume 1 - 46
JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES	5731D15610	8	01	10.....	Volume 1 - 48
JOINT TACTICAL GROUND STATION (JTAGS)-INTEL	9692BZ8401	71	02	80.....	Volume 2 - 297
JTT/CIBS-M	9522V29600	67	02	80.....	Volume 2 - 278
Joint Information Environment (JIE)	9683B80000	63	02	73.....	Volume 2 - 255
Life Cycle Software Support (LCSS)	9442BD3955	101	02	89.....	Volume 2 - 505
Lightweight Counter Mortar Radar	8387B05201	75	02	83.....	Volume 2 - 320
Loaders	4100R04500	151	03	50.....	Volume 3 - 301
MOD OF IN-SVC EQUIP (INTEL SPT)	9912BZ9750	73	02	80.....	Volume 2 - 310
MOD of In-Svc Equipment (ENFIRE)	9971B99901	107	02	89.....	Volume 2 - 535
MULTI-DOMAIN INTELLIGENCE	0287BZ6100	49	02	36.....	Volume 2 - 197

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Maneuver Control System (MCS)	9742BA9320	103	02	89.....	Volume 2 - 518
Maneuver Support Vessel (MSV)	8211R01001	159	03	55.....	Volume 3 - 332
Mobile Maintenance Equipment Systems	0639G05301	147	03	45.....	Volume 3 - 270
Mobile Soldier Power	8827R80800	138	03	25.....	Volume 3 - 154
Mod Of In-Svc Equip (LLDR)	0255KA3100	92	02	86.....	Volume 2 - 447
Modification Of In Svc Equip	8992DA0924	18	01	10.....	Volume 1 - 143
Modification Of In-Svc Equipment (OPA-3)	1110MA4500	176	03	90.....	Volume 3 - 529
Mortar Fire Control System	7500K99300	94	02	86.....	Volume 2 - 451
Mortar Fire Control Systems Modifications	7563AD9300	95	02	86.....	Volume 2 - 459
Multi-Function Electronic Warfare (MFEW) Systems	8491B05000	78	02	83.....	Volume 2 - 328
Network Management Initialization and Services	9705BA9301	102	02	89.....	Volume 2 - 509
Night Vision Devices	0140KA3500	83	02	86.....	Volume 2 - 355
NonTactical Vehicles, Other	2450D30000	21	01	20.....	Volume 1 - 163
PLS ESP	8331D16506	14	01	10.....	Volume 1 - 118
Passenger Carrying Vehicles	0358D23000	20	01	20.....	Volume 1 - 161
Persistent Cyber Training Environment	0132B65010	55	02	64.....	Volume 2 - 224
Personnel Recovery Support System (PRSS)	8822G01101	136	03	25.....	Volume 3 - 142
Physical Security Systems (OPA3)	0050MA0780	174	03	90.....	Volume 3 - 512
QUALITY SURVEILLANCE EQUIPMENT	0725MB6400	144	03	30.....	Volume 3 - 224
Radio Terminal Set, MIDS LVT(2)	6948B22603	39	02	32.....	Volume 2 - 119

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Rapid Equipping Soldier Support Equipment	0017M80101	173	03	90.....	Volume 3 - 510
Reconnaissance and Surveying Instrument Set	9966BZ9966	106	02	89.....	Volume 2 - 533
Render Safe Sets kits Outfits	5913R63610	132	03	20.....	Volume 3 - 125
Reserve Component Automation Sys (RCAS)	9956BE4167	115	02	92.....	Volume 2 - 603
Robotic Combat Support System (RCSS)	4865M80400	129	03	20.....	Volume 3 - 90
Robotics and Applique Systems	4868W12002	131	03	20.....	Volume 3 - 93
SHF Term	9810BA9350	31	02	18.....	Volume 2 - 54
SIO CAPABILITY	0150B68000	56	02	64.....	Volume 2 - 225
SITUATION INFORMATION TRANSPORT	1983BW7200	24	02	12.....	Volume 2 - 20
SMART-T (SPACE)	9910BC4002	33	02	18.....	Volume 2 - 82
Scrapers, Earthmoving	0822RA0100	150	03	50.....	Volume 3 - 299
Semitrailers, Flatbed:	0930D01001	2	01	10.....	Volume 1 - 3
Semitrailers, tankers	1400D02001	3	01	10.....	Volume 1 - 16
Sentinel Mods	0125WK5057	82	02	86.....	Volume 2 - 340
Signal Modernization Program	1981B00010	22	02	12.....	Volume 2 - 1
Small Tactical Optical Rifle Mounted MLRF	0155K35110	84	02	86.....	Volume 2 - 381
Smoke & Obscurant Family: SOF (Non AAO Item)	6230MX0600	121	03	10.....	Volume 3 - 42
Soldier Enhancement	8796MA6800	135	03	25.....	Volume 3 - 141
Special Equipment For User Testing	1572MA6700	178	03	90.....	Volume 3 - 568
Special Equipment for Test and Evaluation	1573MA6820	179	03	90.....	Volume 3 - 569

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Spectrum METSAT	2936B09800	27	02	18.....	Volume 2 - 25
Spectrum Microwave	9923B09900	36	02	18.....	Volume 2 - 92
Spectrum Portal	2937B09700	28	02	18.....	Volume 2 - 26
Spider Family of Networked Munitions Incr	8558B54020	41	02	32.....	Volume 2 - 131
Synthetic Training Environment (STE)	2079NA2000	166	03	70.....	Volume 3 - 444
TERRESTRIAL LAYER SYSTEMS (TLS)	9546B97600	68	02	80.....	Volume 2 - 282
TROJAN	9704BA0326	72	02	80.....	Volume 2 - 301
TRUCK, DUMP, 20T (CCE)	5862D16001	9	01	10.....	Volume 1 - 64
Tactical Bridge, Float-Ribbon	3542MA8890	123	03	15.....	Volume 3 - 50
Tactical Bridging	2831MX0100	122	03	15.....	Volume 3 - 43
Tactical Electric Power Recapitalization	9012R42501	162	03	60.....	Volume 3 - 372
Tactical Network Technology Mod In Svc	1982B07100	23	02	12.....	Volume 2 - 14
Tactical Trailers/Dolly Sets	0254DA0100	1	01	10.....	Volume 1 - 1
Tactical Wheeled Vehicle Protection Kits	8980D04003	17	01	10.....	Volume 1 - 131
Test Equipment Modernization (TEMOD)	0600N11000	171	03	80.....	Volume 3 - 491
Test Equipment Modernization (TEMOD)	0605G02510	172	03	80.....	Volume 3 - 493
Tractor, Full Tracked	4700M05800	153	03	50.....	Volume 3 - 305
Training Devices, Nonsystem	2062NA0100	165	03	70.....	Volume 3 - 402
Transportable Tactical Command Communications (T2C)	2956B85800	30	02	18.....	Volume 2 - 43
Unified Command Suite	8563B58601	42	02	32.....	Volume 2 - 133

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

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

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
1	01	10	0254DA0100	Tactical Trailers/Dolly Sets.....	Volume 1 - 1
2	01	10	0930D01001	Semitrailers, Flatbed:.....	Volume 1 - 3
3	01	10	1400D02001	Semitrailers, tankers.....	Volume 1 - 16
4	01	10	3446D15400	HI MOB MULTI-PURP WHLD VEH (HMMWV).....	Volume 1 - 24
5	01	10	3484D15501	Ground Mobility Vehicles (GMV).....	Volume 1 - 35
6	01	10	3636D10000	ARNG HMMWV Modernization Program.....	Volume 1 - 44
7	01	10	5600D15603	JOINT LIGHT TACTICAL VEHICLE.....	Volume 1 - 46
8	01	10	5731D15610	JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES.....	Volume 1 - 48
9	01	10	5862D16001	TRUCK, DUMP, 20T (CCE).....	Volume 1 - 64
10	01	10	6866D15500	Family Of Medium Tactical Veh (FMTV).....	Volume 1 - 72
11	01	10	6880D15620	Family of Cold Weather All-Terrain Vehicle (CATV).....	Volume 1 - 85
12	01	10	7000D15800	Firetrucks & Associated Firefighting Equip.....	Volume 1 - 93
13	01	10	8309DA0500	Family Of Heavy Tactical Vehicles (FHTV).....	Volume 1 - 102
14	01	10	8331D16506	PLS ESP.....	Volume 1 - 118
15	01	10	8948DV0021	Hvy Expanded Mobile Tactical Truck Ext Serv.....	Volume 1 - 127
16	01	10	8953DV0230	HMMWV Recapitalization Program.....	Volume 1 - 129

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
17	01	10	8980D04003	Tactical Wheeled Vehicle Protection Kits.....	Volume 1 - 131
18	01	10	8992DA0924	Modification Of In Svc Equip.....	Volume 1 - 143
19	01	20	0300D22100	Heavy Armored Vehicle.....	Volume 1 - 160
20	01	20	0358D23000	Passenger Carrying Vehicles.....	Volume 1 - 161
21	01	20	2450D30000	NonTactical Vehicles, Other.....	Volume 1 - 163

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Line Item Table of Contents (Alphabetically by Line Item Title)

Line Item Title	Line Item Number	Line #	BA	BSA	Page
ARNG HMMWV Modernization Program	3636D10000	6	01	10.....	Volume 1 - 44
Family Of Heavy Tactical Vehicles (FHTV)	8309DA0500	13	01	10.....	Volume 1 - 102
Family Of Medium Tactical Veh (FMTV)	6866D15500	10	01	10.....	Volume 1 - 72
Family of Cold Weather All-Terrain Vehicle (CATV)	6880D15620	11	01	10.....	Volume 1 - 85
Firetrucks & Associated Firefighting Equip	7000D15800	12	01	10.....	Volume 1 - 93
Ground Mobility Vehicles (GMV)	3484D15501	5	01	10.....	Volume 1 - 35
HI MOB MULTI-PURP WHLD VEH (HMMWV)	3446D15400	4	01	10.....	Volume 1 - 24
HMMWV Recapitalization Program	8953DV0230	16	01	10.....	Volume 1 - 129
Heavy Armored Vehicle	0300D22100	19	01	20.....	Volume 1 - 160
Hvy Expanded Mobile Tactical Truck Ext Serv	8948DV0021	15	01	10.....	Volume 1 - 127
JOINT LIGHT TACTICAL VEHICLE	5600D15603	7	01	10.....	Volume 1 - 46
JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES	5731D15610	8	01	10.....	Volume 1 - 48
Modification Of In Svc Equip	8992DA0924	18	01	10.....	Volume 1 - 143
NonTactical Vehicles, Other	2450D30000	21	01	20.....	Volume 1 - 163
PLS ESP	8331D16506	14	01	10.....	Volume 1 - 118
Passenger Carrying Vehicles	0358D23000	20	01	20.....	Volume 1 - 161
Semitrailers, Flatbed:	0930D01001	2	01	10.....	Volume 1 - 3

UNCLASSIFIED

UNCLASSIFIED

Army • Budget Estimates FY 2022 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Semitrailers, tankers	1400D02001	3	01	10.....	Volume 1 - 16
TRUCK, DUMP, 20T (CCE)	5862D16001	9	01	10.....	Volume 1 - 64
Tactical Trailers/Dolly Sets	0254DA0100	1	01	10.....	Volume 1 - 1
Tactical Wheeled Vehicle Protection Kits	8980D04003	17	01	10.....	Volume 1 - 131

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles

P-1 Line Item Number / Title:
 0254DA0100 / Tactical Trailers/Dolly Sets

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

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	264	269	157	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	35.460	12.993	9.653	-	-	-	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	35.460	12.993	9.653	-	-	-	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	35.460	12.993	9.653	-	-	-	-	-	-	-	-	-

(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>)	134.318	48.301	61.484	-	-	-	-	-	-	-	-	-

Description:

Tactical trailers and dolly sets are used to transport generators, shelters, drinking water, ammunition, and general cargo. This budget line funds the Light Engineer Utility Trailer (LEUT). The LEUT is a pintle towed light utility trailer. The LEUT will be used across the full spectrum of military operations to include deployments and to support nation-building operations. The LEUT will transport key construction and mine clearing enablers such as Skid Steer Loaders (SSL), Backhoe Loaders (BHL), M160 Robotic Mine Flail and Forklifts. Two types of LEUTs are required. Type I LEUT is a 5-ton payload capacity trailer and the Type II M1269 is a 15-ton payload capacity trailer. The prime movers for the Type I and Type II M1269 are the Heavy Expanded Mobility Tactical Truck (HEMTT), 5-ton cargo, and 5, 10, and 20-ton dump trucks. The Army Acquisition Objective for the Type II LEUT is 769.

Secondary Distribution	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	8	5	-	-	-	-	-	-	-
Total Obligation Authority	0.390	0.290	-	-	-	-	-	-	-
ANG	183	106	-	-	-	-	-	-	-
Total Obligation Authority	8.835	6.564	-	-	-	-	-	-	-
AR	78	46	-	-	-	-	-	-	-
Total Obligation Authority	3.768	2.799	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity 269	157	-	-	-	-	-	-	-
Total Obligation Authority	12.993	9.653	-	-	-	-	-	-	-

Justification:

DA0100 has no FY2022 funding request.

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles		P-1 Line Item Number / Title: 0254DA0100 / Tactical Trailers/Dolly Sets
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 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 0930D01001 / Semitrailers, Flatbed:

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	653	861	151	68	-	68	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	638.752	102.386	22.460	12.539	-	12.539	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	638.752	102.386	22.460	12.539	-	12.539	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	638.752	102.386	22.460	12.539	-	12.539	-	-	-	-	-	-

(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>)	978.181	118.915	148.742	184.397	-	184.397	-	-	-	-	-	-

Description:

The M870A4 SEMITRAILER is a 40-Ton payload, mechanical folding gooseneck, level-deck trailer with rear ramps capable of handling payloads on primary, secondary, and trail profile roads. The primary mission of the M870A4 is to transport engineering equipment as well as pavers, compactors, the Hydraulic Excavator (HYEX) and dozers. This trailer is C-130 air transport capable and supports mobility, counter mobility, and survivability operations during Large Scale Combat Operations (LSCO). The M870A4 is an enabling capability for theater access operations to provide transport of construction equipment used by units for horizontal construction projects in support of military or other national goals and objectives. The M870A4 supports construction and maintenance of main supply routes, logistical facilities, bituminous roads, helipads, airfields, landing strips, motor pools and parking areas supporting sustainment operations throughout the full spectrum of operations. The M870A4 is the semitrailer that supports the Army Hypersonic Project Office (AHPO) for a Long Range Hypersonic Weapon (LRHW) system and the Lower Tier Air and Missile Defense Sensors (LTAMDS) for long term power. The M870 Army Acquisition Objective (AAO) is 3,006

The M871A3 SEMITRAILER is a 22.5-Ton drop deck/break-bulk (DD/BB) container transporter. It is a tactical, dual purpose, bulk and container transporter. It transports 20-foot ISO (International Organization for Standardization) containers on line haul missions and is the primary means of distributing containers and bulk cargo. The M871 AAO is 5,044.

The M872A4 SEMITRAILER is a 34 ton dual purpose break bulk/container semi-trailer, is the primary platform to transport large volumes of cargo including bulk water to Divisions and is critical to support Multi Domain Operations (MDO) in Large Scale Combat Operations (LSCO). The M872A4 is a commercially-adapted semitrailer, with missions to transport a single 40-foot or two 20-foot ISO (International Organization for Standardization) containers, palletized cargo, and light combat and tactical vehicles. The M872A4 supports sustainment operations and freedom of movement and is critical for moving large volumes of cargo from ports to Division areas supporting full-spectrum military operations. With the capability to transport over primary and improved secondary roads, the M872 is a readiness pacing item for Army Medium Truck Companies. The M872 AAO is 7,210.

The M172A2 SEMITRAILER LOW BED 25 ton transports construction equipment/supplies and material handling equipment to support Early Entry. This trailer is C-130 air transport capable and supports rapid deployment mobility, counter mobility, survivability and sustainment operations during Large Scale Combat Operations (LSCO). The M172 is a commercially-adapted semitrailer with a 25-ton payload capacity, flat level-deck and rear loading ramps. The M172 AAO is 1,162.

Secondary Distribution	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army Quantity	61	50	10	-	10	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army							Date: May 2021			
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles					P-1 Line Item Number / Title: 0930D01001 / Semitrailers, Flatbed:					
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A			Other Related Program Elements: 0604622A				
Line Item MDAP/MAIS Code: N/A										

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
	Total Obligation Authority	7.620	8.802	3.374	-	3.374	-	-	-	-
ANG	Quantity	481	71	29	-	29	-	-	-	-
	Total Obligation Authority	57.062	9.679	4.581	-	4.581	-	-	-	-
AR	Quantity	319	30	29	-	29	-	-	-	-
	Total Obligation Authority	37.704	3.979	4.584	-	4.584	-	-	-	-
Total:	Quantity	861	151	68	-	68	-	-	-	-
Secondary Distribution	Total Obligation Authority	102.386	22.460	12.539	-	12.539	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 0930D01001 / Semitrailers, Flatbed:

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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	D00700 / SEMITRAILER LB 40T M870A1 (CCE)	P-5a	A		13 / 193.372	182 / 20.445	7 / 2.728	29 / 4.527	- / -	29 / 4.527
P-5	D01600 / SEMITRAILER FB BB/CONT TR 34T M872 C/S	P-5a	A		640 / 445.380	679 / 81.173	114 / 14.384	39 / 6.148	- / -	39 / 6.148
P-5	D01650 / SEMITRAILER LOW BED 25 TON, M172	P-5a			- / -	- / 0.768	30 / 5.348	- / 1.864	- / -	- / 1.864
P-40	Total Gross/Weapon System Cost				653 / 638.752	861 / 102.386	151 / 22.460	68 / 12.539	- / -	68 / 12.539

*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:

D00700 / SEMITRAILER 40-Ton (M870A4): FY 2022 Base procurement dollars in the amount of \$4.527 million supports the procurement of 29 M870A4 semitrailers to provide transport of construction equipment used by units for horizontal construction projects. The M870A4 supports Multi Domain Operations (MDO) and Large Scale Combat Operations (LSCOs) by providing significant hauling capability for all earthmoving equipment in support of the Brigade Combat Teams (BCTs) and port of debarkations (PODs) construction for early entry. This program enables the Army's modernization priorities in support of the National Defense Strategy through construction of fixed sites for air and missile defense, improvement of lines of communication, and movement of all systems and classes of supply. The M870A4 is used to transport tracked and wheeled vehicles and construction equipment and will enhance the ability to compete and provide freedom of maneuver during conflict with the equipment needed to respond to contingencies and ensure long-term readiness.

D01600 / SEMITRAILER 34-Ton (M872A4): FY 2022 Base procurement dollars in the amount of \$6.148 million supports the procurement of 39 M872A4 semitrailers to respond to line haul transportation requirements and address urgent readiness needs. The M872A4 semitrailer is a readiness pacing item for Army Medium Truck Companies with continued significant on hand shortages and is critical for moving large volumes of cargo from ports to Brigade Combat Team (BCT) areas. A world-wide inspection of M872A0-A3 trailers found severe corrosion and 48 percent of the fleet were designated as non-mission capable (NMC) items requiring replacement. The majority of the 34T semitrailer fleet is aged beyond its economic useful life (EUL) and needs to be replaced. This program is a critical enabler for the Army's modernization priorities through movement of Soldiers, air defense & missile defenses, sensors, network, fuel, ammunition, etc. and supports the National Defense Strategy with the equipment needed to respond to contingencies and ensure long-term readiness. It is critical to support Multi Domain Operations (MDO) in Large Scale Combat Operations (LSCO).

D01650 / SEMITRAILER LOW BED 25-Ton (M172A2): FY 2022 Base procurement dollars in the amount of \$1.864 million will provide testing of the Low Rate Production semitrailers and development of logistics products to support the system organically. The M172 transports construction equipment/supplies and material handling equipment to support Early Entry. This trailer is C-130 air transport capable and supports rapid deployment mobility, counter mobility, survivability and sustainment operations during Large Scale Combat Operations (LSCO). The current average fleet age of the 25T semitrailers is 54 years which is well beyond their Economical Useful Life (EUL). Significantly older semitrailers require constant maintenance attention and repair parts that are difficult or impossible to obtain. These issues impact Engineer Support Companies (ESCs) and some horizontal construction assets resident in Brigade Combat Teams (BCTs) as well as logistics provisions supporting missions by not having the equipment needed to respond to contingencies and ensure long-term readiness to provide freedom of maneuver during conflict.

Matrix Functional Support is required to address/augment Engineering and Logistic functions, capabilities and gaps to supplement core employee competencies. System Engineering oversight and multiple functions of Logistics support such as management, fielding, tracking and documentation is required during the acquisition process.

The Gross Weapon System Unit cost increase from FY21 to FY22 is due to the increased cost of materiel for the M870A4, low quantities procured for the M872A4 and no quantities procured for the M172A2 due to a test year.

IAW 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-40, Budget Line Item Justification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles		P-1 Line Item Number / Title: 0930D01001 / Semitrailers, Flatbed:
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0604622A
Line Item MDAP/MAIS Code: N/A		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 0930D01001 / Semitrailers, Flatbed:
		Item Number / Title [DODIC]: D00700 / SEMITRAILER LB 40T M870A1 (CCE)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)	13	182	7	29	-	29
Gross/Weapon System Cost (\$ in Millions)	193.372	20.445	2.728	4.527	-	4.527
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	193.372	20.445	2.728	4.527	-	4.527
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	193.372	20.445	2.728	4.527	-	4.527

(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)	14,874.769	112.335	389.714	156.103	-	156.103

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
M870A4 Semitrailer ^(†)	606.744	289	175.349	72.258	182	13.151	75.857	7	0.531	93.483	29	2.711	-	-	-	93.483	29	2.711
M870A4 FRET	-	-	0.220	-	-	1.580	-	-	0.067	-	-	0.326	-	-	-	-	-	0.326
Engineering Changes	-	-	0.110	-	-	0.400	-	-	0.150	-	-	0.080	-	-	-	-	-	0.080
Matrix Functional Support	-	-	5.686	-	-	1.016	-	-	1.033	-	-	1.075	-	-	-	-	-	1.075
Testing	-	-	6.211	-	-	3.345	-	-	0.905	-	-	0.182	-	-	-	-	-	0.182
Fielding	-	-	2.922	-	-	0.495	-	-	0.023	-	-	0.073	-	-	-	-	-	0.073
First Destination Transportation	-	-	2.867	-	-	0.438	-	-	0.019	-	-	0.080	-	-	-	-	-	0.080
Data / Documentation	-	-	0.007	-	-	0.020	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	193.372	-	-	20.445	-	-	2.728	-	-	4.527	-	-	-	-	-	4.527
<i>Subtotal: Flyaway Cost</i>	-	-	193.372	-	-	20.445	-	-	2.728	-	-	4.527	-	-	-	-	-	4.527
Gross/Weapon System Cost	14,874.769	13	193.372	112.335	182	20.445	389.714	7	2.728	156.103	29	4.527	-	-	-	156.103	29	4.527

Remarks:

The FY22 unit cost increase of M870A4 semitrailers is due to the increased cost of steel and tariffs.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 0930D01001 / Semitrailers, Flatbed:	Item Number / Title [DODIC]: D00700 / SEMITRAILER LB 40T M870A1 (CCE)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	61	7	10	-	10
	Total Obligation Authority	6.852	2.728	1.510	-	1.510
ANG	Quantity	61	-	9	-	9
	Total Obligation Authority	6.852	-	1.507	-	1.507
AR	Quantity	60	-	10	-	10
	Total Obligation Authority	6.741	-	1.510	-	1.510
Total: Secondary Distribution	Quantity	182	7	29	-	29
	Total Obligation Authority	20.445	2.728	4.527	-	4.527

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

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army								Date: May 2021				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 0930D01001 / Semitrailers, Flatbed:					Item Number / Title [DODIC]: D00700 / SEMITRAILER LB 40T M870A1 (CCE)				
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
M870A4 Semitrailer		2020	Schutt Industries / CLINTONVILLE, WI	C / IDIQ	TACOM - Warren, MI	Jul 2020	Jan 2021	182	72.258	N		
M870A4 Semitrailer		2021	Schutt Industries / CLINTONVILLE, WI	C / IDIQ	TACOM - Warren, MI	Jun 2021	Dec 2021	7	75.857	N		
M870A4 Semitrailer		2022	Schutt Industries / CLINTONVILLE, WI	C / IDIQ	TACOM - Warren, MI	Jan 2022	Jul 2022	29	93.483	N		

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 0930D01001 / Semitrailers, Flatbed:
		Item Number / Title [DODIC]: D01600 / SEMITRAILER FB BB/CONT TR 34T M872 C/S

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)	640	679	114	39	-	39
Gross/Weapon System Cost (\$ in Millions)	445.380	81.173	14.384	6.148	-	6.148
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	445.380	81.173	14.384	6.148	-	6.148
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	445.380	81.173	14.384	6.148	-	6.148

(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)	695.906	119.548	126.175	157.641	-	157.641

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
M872A4 Semitrailer ^(†)	-	-	-	98.336	697	68.540	101.860	114	11.612	110.872	39	4.324	-	-	-	110.872	39	4.324
M872A4 Semitrailer with FRET	108.700	4,057	440.994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M872A4 - FRET	-	-	2.495	-	-	8.174	-	-	1.352	-	-	0.519	-	-	-	-	-	0.519
Engineering Changes (ECPs)	-	-	0.050	-	-	0.200	-	-	0.130	-	-	0.111	-	-	-	-	-	0.111
Matrix Functional Support	-	-	0.560	-	-	0.746	-	-	0.885	-	-	1.044	-	-	-	-	-	1.044
Fielding	-	-	0.337	-	-	0.700	-	-	0.123	-	-	0.045	-	-	-	-	-	0.045
First Destination Transportation	-	-	0.942	-	-	1.087	-	-	0.279	-	-	0.102	-	-	-	-	-	0.102
Subtotal: Recurring Cost	-	-	445.378	-	-	79.447	-	-	14.381	-	-	6.145	-	-	-	-	-	6.145
Non Recurring Cost																		
Data (2.6)	-	-	-	-	-	0.019	-	-	0.003	-	-	0.003	-	-	-	-	-	0.003
Testing	-	-	-	-	-	1.707	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	-	-	-	1.726	-	-	0.003	-	-	0.003	-	-	-	-	-	0.003
Subtotal: Flyaway Cost	-	-	445.378	-	-	81.173	-	-	14.384	-	-	6.148	-	-	-	-	-	6.148
Gross/Weapon System Cost	695.906	640	445.380	119.548	679	81.173	126.175	114	14.384	157.641	39	6.148	-	-	-	157.641	39	6.148

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 0930D01001 / Semitrailers, Flatbed:	Item Number / Title [DODIC]: D01600 / SEMITRAILER FB BB/CONT TR 34T M872 C/S

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Remarks:
FY22 increase to unit cost for the M872A4 semitrailers is due to low quantities.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	-	26	-	-	-
	Total Obligation Authority	-	3.309	-	-	-
ANG	Quantity	420	62	20	-	20
	Total Obligation Authority	50.210	7.767	3.074	-	3.074
AR	Quantity	259	26	19	-	19
	Total Obligation Authority	30.963	3.308	3.074	-	3.074
Total: Secondary Distribution	Quantity	679	114	39	-	39
	Total Obligation Authority	81.173	14.384	6.148	-	6.148

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2022 Army							Date: May 2021				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 0930D01001 / Semitrailers, Flatbed:				Item Number / Title [DODIC]: D01600 / SEMITRAILER FB BB/CONT TR 34T M872 C/S				

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
M872A4 Semitrailer		2020	TALBERT MANUFACTURING INC. / RENSSELAER, IN	SS / IDIQ	TACOM - Warren, MI	Jan 2020	May 2020	697	98.336	Y		
M872A4 Semitrailer		2021	TALBERT MANUFACTURING INC. / RENSSELAER, IN	SS / IDIQ	TACOM - Warren, MI	Jan 2021	May 2021	114	101.860	Y		
M872A4 Semitrailer		2022	TALBERT MANUFACTURING INC. / RENSSELAER, IN	SS / IDIQ	TACOM - Warren, MI	Jan 2022	May 2022	39	110.872	Y		

Remarks:
The unit cost varies due to range and Ordering Year (OY) pricing. FY20 and FY21 are actuals that awarded before the change of OY pricing in mid-January. FY22 is planned at pricing after change of OY pricing but will realize a savings if awarded by mid-January of FY22.

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 0930D01001 / Semitrailers, Flatbed:
		Item Number / Title [DODIC]: D01650 / SEMITRAILER LOW BED 25 TON, M172

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)	-	-	30	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.768	5.348	1.864	-	1.864
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.768	5.348	1.864	-	1.864
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	0.768	5.348	1.864	-	1.864

(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)	-	-	178.267	-	-	-

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
SEMITRAILER LOW BED 25 TON ^(t)	-	-	-	-	-	-	115.000	30	3.450	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	-	-	-	-	-	-	0.103	-	-	-	-	-	-	-	-	-
Functional Matrix Support	-	-	-	-	-	0.768	-	-	0.778	-	-	0.780	-	-	-	-	-	0.780
Test	-	-	-	-	-	-	-	-	-	-	-	1.084	-	-	-	-	-	1.084
Fielding	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-
Data	-	-	-	-	-	-	-	-	0.634	-	-	-	-	-	-	-	-	-
First Destination Transportation	-	-	-	-	-	-	-	-	0.283	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.768	-	-	5.348	-	-	1.864	-	-	-	-	-	1.864
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	0.768	-	-	5.348	-	-	1.864	-	-	-	-	-	1.864
Gross/Weapon System Cost	-	-	-	-	-	0.768	178.267	30	5.348	-	-	1.864	-	-	-	-	-	1.864

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	-	17	-	-	-
	Total Obligation Authority	0.768	2.765	1.864	-	1.864
ANG	Quantity	-	9	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 0930D01001 / Semitrailers, Flatbed:	Item Number / Title [DODIC]: D01650 / SEMITRAILER LOW BED 25 TON, M172

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

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
	Total Obligation Authority	-	1.912	-	-	-
AR	Quantity	-	4	-	-	-
	Total Obligation Authority	-	0.671	-	-	-
Total:	Quantity	-	30	-	-	-
Secondary Distribution	Total Obligation Authority	0.768	5.348	1.864	-	1.864

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2022 Army							Date: May 2021					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 0930D01001 / Semitrailers, Flatbed:				Item Number / Title [DODIC]: D01650 / SEMITRAILER LOW BED 25 TON, M172					
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
SEMITRAILER LOW BED 25 TON		2021	TBD / TBD	SS / TBD	TACOM - Warren, MI	Jun 2021	Dec 2021	30	115.000	N		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles

P-1 Line Item Number / Title:
1400D02001 / Semitrailers, tankers

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0605804A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	160	157	-	157	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	24.477	-	17.082	17.985	-	17.985	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	24.477	-	17.082	17.985	-	17.985	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	24.477	-	17.082	17.985	-	17.985	-	-	-	-	-	-

(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>)	-	-	106.763	114.554	-	114.554	-	-	-	-	-	-

Description:

This budget line procures Bulk Fuel Distribution System (BFDS). The Petroleum and Water Distribution Systems supports the Army Equipment Modernization Strategy, along with the Army's mission to supply bulk fuel and water, at the operational and tactical levels, to all Department of Defense (DoD) forces in the various worldwide Joint Operations Area. The BFDS will carry a minimum of 7,500 gallons of petroleum product across improved and limited unimproved roads at normal convoy operating speeds. The BFDS will maximize the tow capacity of the M915A3/A4/A5 and will provide an accurate measurement and digital display of petroleum within the system. The Army Acquisition Objective (AAO) is 1,805.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	Quantity	-	45	40	-	40	-	-	-	-
	Total Obligation Authority	-	5.237	4.582	-	4.582	-	-	-	-
ANG	Quantity	-	12	10	-	10	-	-	-	-
	Total Obligation Authority	-	1.236	1.146	-	1.146	-	-	-	-
AR	Quantity	-	103	107	-	107	-	-	-	-
	Total Obligation Authority	-	10.609	12.257	-	12.257	-	-	-	-
Total: Secondary Distribution	Quantity	-	160	157	-	157	-	-	-	-
	Total Obligation Authority	-	17.082	17.985	-	17.985	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:** 1400D02001 / Semitrailers, tankers

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0605804A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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	D02700 / BULK FUEL DISTRIBUTION SYSTEM (BFDS)	P-5a, P-21	B		- / 24.477	- / -	160 / 17.082	157 / 17.985	- / -	157 / 17.985
P-40	Total Gross/Weapon System Cost				- / 24.477	- / -	160 / 17.082	157 / 17.985	- / -	157 / 17.985

*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 2022 Base procurement dollars in the amount of \$17.985 million supports the procurement of 157 Bulk Fuel Distribution Systems (BFDS).

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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 1400D02001 / Semitrailers, tankers
		Item Number / Title [DODIC]: D02700 / BULK FUEL DISTRIBUTION SYSTEM (BFDS)

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)	-	-	160	157	-	157
Gross/Weapon System Cost (\$ in Millions)	24.477	-	17.082	17.985	-	17.985
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	24.477	-	17.082	17.985	-	17.985
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	24.477	-	17.082	17.985	-	17.985

(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)	-	-	106.763	114.554	-	114.554

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
Bulk Fuel Distribution System (BFDS) - System Hardware ^(f)	-	-	-	-	-	-	100.000	160	16.000	101.962	157	16.008	-	-	-	101.962	157	16.008
Bulk Fuel Distribution System (BFDS) - BII / Special Tools	-	-	-	-	-	-	1.500	160	0.240	1.529	157	0.240	-	-	-	1.529	157	0.240
System Engineering/ Program Management (SEPM)	-	-	-	-	-	-	-	-	0.227	-	-	0.434	-	-	-	-	-	0.434
Fielding / New Equip Training	-	-	-	-	-	-	-	-	0.331	-	-	0.353	-	-	-	-	-	0.353
First Destination Transportation	-	-	-	-	-	-	-	-	0.284	-	-	0.300	-	-	-	-	-	0.300
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	17.082	-	-	17.335	-	-	-	-	-	17.335
Non Recurring Cost																		
Tech Manual / Log Development	-	-	-	-	-	-	-	-	-	-	-	0.450	-	-	-	-	-	0.450
Log Demo	-	-	-	-	-	-	-	-	-	-	-	0.200	-	-	-	-	-	0.200
Non BFDS Prior Year System Costs	-	-	24.477	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	24.477	-	-	-	-	-	-	-	-	0.650	-	-	-	-	-	0.650

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 1400D02001 / Semitrailers, tankers	Item Number / Title [DODIC]: D02700 / BULK FUEL DISTRIBUTION SYSTEM (BFDS)

ID Code (A=Service Ready, B=Not Service Ready) : B	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 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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: Flyaway Cost</i>	-	-	24.477	-	-	-	-	-	17.082	-	-	17.985	-	-	-	-	-	17.985
Gross/Weapon System Cost	-	-	24.477	-	-	-	106.763	160	17.082	114.554	157	17.985	-	-	-	114.554	157	17.985

Remarks:

Prior Year OPA acquisition costs are not associated with current BFDS acquisition. BFDS is a new start program for FY21 and will continue to increase production until Full Rate Production is archived in FY23

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	-	45	40	-	40
	Total Obligation Authority	-	5.237	4.582	-	4.582
ANG	Quantity	-	12	10	-	10
	Total Obligation Authority	-	1.236	1.146	-	1.146
AR	Quantity	-	103	107	-	107
	Total Obligation Authority	-	10.609	12.257	-	12.257
Total:	Quantity	-	160	157	-	157
Secondary Distribution	Total Obligation Authority	-	17.082	17.985	-	17.985

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

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army							Date: May 2021				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 1400D02001 / Semitrailers, tankers				Item Number / Title [DODIC]: D02700 / BULK FUEL DISTRIBUTION SYSTEM (BFDS)				

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
Bulk Fuel Distribution System (BFDS) - System Hardware ^(†)		2021	TBD / TBD	C / FFP	TBD	Mar 2021	Sep 2021	160	100.000	N		
Bulk Fuel Distribution System (BFDS) - System Hardware ^(†)		2022	TBD / TBD	C / FFP	TBD	Mar 2022	Sep 2022	157	101.962	N		

^(†) indicates the presence of a P-21

Remarks:

Bulk Fuel Distribution System (BFDS) is a new start in FY21.

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Exhibit P-21, Production Schedule: PB 2022 Army																		Date: May 2021									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 1400D02001 / Semitrailers, tankers										Item Number / Title [DODIC]: D02700 / BULK FUEL DISTRIBUTION SYSTEM (BFDS)							

Cost Elements (Units in Each)						Fiscal Year 2021																	Fiscal Year 2022													B A L A N C E																											
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCE PT P R I O R T O 1 O C T 2 0 2 0	BAL D U E A 	Calendar Year 2021																	Calendar Year 2022																																							
							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																																	
Bulk Fuel Distribution System (BFDS) - System Hardware																																																															
	1	2021	ARMY	160	0	160								A	-	-	-	-	-	13	13	13	13	13	13	13	13	14	14	14	14	13	0																														
	1	2022	ARMY	157	0	157																		A	-	-	-	-	-	-	-	-	-	13	144																												
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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	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 2022 Army															Date: May 2021														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 1400D02001 / Semitrailers, tankers										Item Number / Title [DODIC]: D02700 / BULK FUEL DISTRIBUTION SYSTEM (BFDS)									

Cost Elements <i>(Units in Each)</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			
Bulk Fuel Distribution System (BFDS) - System Hardware																																	
	1	2021	ARMY	160	160	0																								0			
	1	2022	ARMY	157	13	144	13	13	13	13	13	13	13	13	13	13	14													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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 1400D02001 / Semitrailers, tankers
Item Number / Title [DODIC]: D02700 / BULK FUEL DISTRIBUTION SYSTEM (BFDS)		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2022	1-8-5 For 2022	MAX For 2022	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	TBD - TBD	10	25	40	0	2	6	8	0	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-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles

P-1 Line Item Number / Title:
3446D15400 / HI MOB MULTI-PURP WHLD VEH (HMMWV)

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

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	905	340	512	354	-	354	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	13,165.394	127.271	126.747	60.706	-	60.706	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	13,165.394	127.271	126.747	60.706	-	60.706	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	13,165.394	127.271	126.747	60.706	-	60.706	-	-	-	-	-	-

(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>)	14,547.397	374.326	247.553	171.486	-	171.486	-	-	-	-	-	-

Description:

The Army requires their existing older High Mobility Multipurpose Wheeled Vehicle (HMMWV) fleets be modernized to the current configuration which will require the procurement of new up-armored HMMWV (UAH) M1152A1s and M1165A1s, new M997A3 Ambulances and associated retrofit kits to include Anti-lock Braking System/Electronic Stability Control (ABS/ESC) Systems, Heating, Ventilation and Air Conditioning (HVAC) and Alternating Current (AC) Inverter. The ABS/ESC kit is required to mitigate rollover and loss of control incidents resulting in fatalities and serious injuries. The updated HVAC system is required due to obsolescence and readiness issues, and the AC Inverter is required to power all necessary medical equipment in the M997A3. A Public Private Partnership (PPP) exists with the Product Director, Light Tactical Vehicles, AM General and Rock Island Arsenal to provide new production ambulances; thereby supporting both the organic and industrial base. Recent natural disasters highlight the need for reliable and capable utility vehicles to enable the Guard and Reserve to mobilize rapidly to respond immediately to state and national needs. The effort will provide a modernization strategy to the future that supports uninterrupted ground, lifesaving medical evacuation in the Infantry Brigade Combat Team (IBCT) and echelons above brigade (EAB), and meets current and conceptual Army medical evacuation doctrine and concepts. The new production M1152A1/M1165A1 program procures new production armor capable HMMWVs to modernize Modification Table of Organization and Equipment (MTOE) units. This allows for the divestiture of the oldest non-armored HMMWVs that currently poses readiness challenges and cannot be up-armored. This aligns with the Army's current modernization path while also addressing identified model mix gaps.

AAO: Department of the Army intent is to divest older Ambulances and replace with new modernized Ambulances up to the requirement of 3,986. The AAO for the M997A3 Ambulance (D15046) will be met with the FY2020 procurement quantity.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	Quantity	340	512	354	-	354	-	-	-	-
	Total Obligation Authority	127.271	126.747	60.706	-	60.706	-	-	-	-
Total: Secondary Distribution	Quantity	340	512	354	-	354	-	-	-	-
	Total Obligation Authority	127.271	126.747	60.706	-	60.706	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:** 3446D15400 / HI MOB MULTI-PURP WHLD VEH (HMMWV)

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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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	D15402 / TRUCK UTILITY HEAVY VARIANT 10000 LB GUW	P-5a, P-21			- / 12,630.613	- / -	512 / 86.747	354 / 60.706	- / -	354 / 60.706
P-5	D15406 / AMBULANCE, 4 LITTER,5/4 TON,4X4	P-5a			905 / 534.781	340 / 127.271	- / 40.000	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				905 / 13,165.394	340 / 127.271	512 / 126.747	354 / 60.706	- / -	354 / 60.706

*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:
 D15402 FY 2022 Base procurement dollars in the amount of \$60.706 million procures 354 M1152A1 HMMWVs.
 Correct quantity for FY21 is 580.

 D15406 has no FY2022 funding request.

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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 3446D15400 / HI MOB MULTI-PURP WHLD VEH (HMMWV)	Item Number / Title [DODIC]: D15402 / TRUCK UTILITY HEAVY VARIANT 10000 LB GUW

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	512	354	-	354
Gross/Weapon System Cost <i>(\$ in Millions)</i>	12,630.613	-	86.747	60.706	-	60.706
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	12,630.613	-	86.747	60.706	-	60.706
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	12,630.613	-	86.747	60.706	-	60.706

(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>	-	-	169.428	171.486	-	171.486

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
New Production M1152A1 ^(t)	-	-	-	-	-	-	144.741	580	83.950	166.545	354	58.957	-	-	-	166.545	354	58.957
Product Management Support	-	-	-	-	-	-	-	-	1.850	-	-	1.534	-	-	-	-	-	1.534
STS	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	-	-	-	-
Fielding	-	-	-	-	-	-	-	-	0.447	-	-	0.215	-	-	-	-	-	0.215
Other	-	-	12,630.613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	12,630.613	-	-	-	-	-	86.747	-	-	60.706	-	-	-	-	-	60.706
<i>Subtotal: Flyaway Cost</i>	-	-	12,630.613	-	-	-	-	-	86.747	-	-	60.706	-	-	-	-	-	60.706
Gross/Weapon System Cost	-	-	12,630.613	-	-	-	169.428	512	86.747	171.486	354	60.706	-	-	-	171.486	354	60.706

Remarks:

The decrease of \$316K in Program Support from FY21 to FY22 is due to a decrease in many years to support the HMMWV program.
 The decrease of \$500K in STS from FY21 to FY22 is due to the STS effort completing in FY21.
 The decrease of \$232K in Fielding from FY21 to FY22 is in proportion to the decreased of vehicles being procured from FY21 to FY22.

Cost Element 'Other' includes vehicles, kits and services funded from FY1983-FY2010.

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 3446D15400 / HI MOB MULTI-PURP WHLD VEH (HMMWV)	Item Number / Title [DODIC]: D15402 / TRUCK UTILITY HEAVY VARIANT 10000 LB GUW

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	-	512	354	-	354
	Total Obligation Authority	-	86.747	60.706	-	60.706
Total:	Quantity	-	512	354	-	354
Secondary Distribution	Total Obligation Authority	-	86.747	60.706	-	60.706

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2022 Army							Date: May 2021				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 3446D15400 / HI MOB MULTI-PURP WHLD VEH (HMMWV)				Item Number / Title [DODIC]: D15402 / TRUCK UTILITY HEAVY VARIANT 10000 LB GUW				

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
New Production M1152A1 ^(†)		2021	AM General / Mishawaka, IN	SS / FFP	TACOM, Warren	Mar 2021	Sep 2021	580	144.741	Y		
New Production M1152A1 ^(†)		2022	AM General / Mishawaka, IN	SS / FFP	TACOM, Warren	Jan 2022	Jul 2022	354	166.545	Y		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2022 Army																								Date: May 2021														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10											P-1 Line Item Number / Title: 3446D15400 / HI MOB MULTI-PURP WHLD VEH (HMMWV)											Item Number / Title [DODIC]: D15402 / TRUCK UTILITY HEAVY VARIANT 10000 LB GUW																
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2021											Fiscal Year 2022											BALANCE										
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021											Calendar Year 2022																				
							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							
New Production M1152A1																																						
	1	2021	ARMY	580	0	580												A	-	-	-	-	-	-	136	136	136	136	36								0	
	1	2022	ARMY	354	0	354																					A	-	-	-	-	-	-	-	70	75	75	134
							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 2022 Army															Date: May 2021														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 3446D15400 / HI MOB MULTI-PURP WHLD VEH (HMMWV)										Item Number / Title [DODIC]: D15402 / TRUCK UTILITY HEAVY VARIANT 10000 LB GUW									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023													Fiscal Year 2024													BALANCE	
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			

New Production M1152A1																														
1	2021	ARMY	580	580	0																									0
1	2022	ARMY	354	220	134	70	64																							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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 3446D15400 / HI MOB MULTI-PURP WHLD VEH (HMMWV)
		Item Number / Title [DODIC]: D15402 / TRUCK UTILITY HEAVY VARIANT 10000 LB GUW

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2022	1-8-5 For 2022	MAX For 2022	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	AM General - Mishawaka, IN	136	136	1,553	0	3	6	9	0	3	6	9

Remarks:
Productions rates are plant wide for the AM General facility and not only the Army funded M1152A1 program. Production rate includes Foreign Military Sales, Direct Commercial Sales and Other DoD Customer Sales.

"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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 3446D15400 / HI MOB MULTI-PURP WHLD VEH (HMMWV)	Item Number / Title [DODIC]: D15406 / AMBULANCE, 4 LITTER,5/4 TON,4X4

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)	905	340	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	534.781	127.271	40.000	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	534.781	127.271	40.000	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	534.781	127.271	40.000	-	-	-

(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)	590.918	374.326	-	-	-	-

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
HMMWV Ambulance ^(f)	406.689	1,278	519.749	312.815	340	106.357	-	-	-	-	-	-	-	-	-	-	-	-
Product Management Support	-	-	7.450	-	-	2.696	-	-	1.041	-	-	-	-	-	-	-	-	-
Fielding	-	-	5.176	-	-	3.457	-	-	-	-	-	-	-	-	-	-	-	-
System Technical Support (STS)	-	-	2.406	-	-	5.617	-	-	-	-	-	-	-	-	-	-	-	-
Retrofit Kits	-	-	-	-	-	8.659	-	-	38.959	-	-	-	-	-	-	-	-	-
Testing	-	-	-	-	-	0.485	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	534.781	-	-	127.271	-	-	40.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	534.781	-	-	127.271	-	-	40.000	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	590.918	905	534.781	374.326	340	127.271	-	-	40.000	-	-	-	-	-	-	-	-	-

Remarks:

Retrofit kits includes 1,797 kits (approximately 599 HVAC retrofit kits, 599 ABS/ESC retrofit kits and 599 AC Inverter retrofit kits). HVAC kit component (blower) has a 205 day lead time with 30 days for packaging. RRAD will contract with AM General for the HVAC Kit that includes this component.

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 3446D15400 / HI MOB MULTI-PURP WHLD VEH (HMMWV)	Item Number / Title [DODIC]: D15406 / AMBULANCE, 4 LITTER,5/4 TON,4X4

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	340	-	-	-	-
	Total Obligation Authority	127.271	40.000	-	-	-
Total:	Quantity	340	-	-	-	-
Secondary Distribution	Total Obligation Authority	127.271	40.000	-	-	-

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2022 Army							Date: May 2021				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 3446D15400 / HI MOB MULTI-PURP WHLD VEH (HMMWV)				Item Number / Title [DODIC]: D15406 / AMBULANCE, 4 LITTER,5/4 TON,4X4				

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
HMMWV Ambulance		2019	AM GENERAL LLC / SOUTH BEND IN	SS / FFP	TACOM, Warren, MI	Apr 2019	Feb 2020	645	287.031	Y		Sep 2017
HMMWV Ambulance		2020	AM GENERAL LLC / SOUTH BEND IN	SS / FFP	TACOM, Warren, MI	Jan 2020	Oct 2020	340	312.815	Y		Sep 2017

Remarks:
 In FY18 a new PPP contract was awarded to AM General. Rock Island Arsenal (RIA) is the major sub-contractor that manufactures and integrates the patient box onto a new production chassis.
 There are no Ambulance quantities in FY2021, the P21 does not reflect a production schedule.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles

P-1 Line Item Number / Title:
3484D15501 / Ground Mobility Vehicles (GMV)

ID Code (A=Service Ready, B=Not Service Ready): B **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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	233	81	113	121	-	121	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	88.419	37.038	29.247	29.807	-	29.807	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	88.419	37.038	29.247	29.807	-	29.807	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	88.419	37.038	29.247	29.807	-	29.807	-	-	-	-	-	-

(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>)	379.481	457.259	258.823	246.339	-	246.339	-	-	-	-	-	-

Description:

The Army Ground Mobility Vehicles (GMV) provides enhanced tactical mobility for an Infantry Brigade Combat Team (IBCT) 9-Soldier infantry squad with their associated equipment to move quickly around the battlefield. This capability is required across the range of military operations facing IBCT units conducting crisis response, initial entry, and selected decisive action missions. GMV deploys worldwide by sea, air, and land modes to support strategic deployment and operational maneuver in accordance with Army and Joint doctrine. This capability provides flexibility for entry operations (permissive and non-permissive) to counter threat anti-access strategies by using multiple austere entry points to bring in combined arms configured units.

Ground Mobility Vehicle variants directly support the National Defense Strategy's intent to increase "Forward force maneuver and posture resilience" by providing increased capability for the Soldier to "deploy, survive, operate, maneuver, and regenerate in all domains while under attack." A-GMV 1.1, and ISV provide the necessary flexibility for entry operations (permissive and non-permissive) to counter threat anti-access strategies by using multiple austere entry points by sea, air, and land, and provide increased capability for the Infantry Brigade Combat Team to conduct decisive action missions as well as crisis response.

The approved Army Acquisition Objective (AAO) for ISV is 2,065.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	Quantity	81	113	121	-	121	-	-	-	-
	Total Obligation Authority	37.038	29.247	29.807	-	29.807	-	-	-	-
Total: Secondary Distribution	Quantity	81	113	121	-	121	-	-	-	-
	Total Obligation Authority	37.038	29.247	29.807	-	29.807	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:** 3484D15501 / Ground Mobility Vehicles (GMV)

ID Code (A=Service Ready, B=Not Service Ready): B **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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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	D15505 / Ground Mobility Vehicles (Light) GMV (L)	P-5a, P-21	B		233 / 88.419	81 / 37.038	113 / 29.247	121 / 29.807	- / -	121 / 29.807
P-40	Total Gross/Weapon System Cost				233 / 88.419	81 / 37.038	113 / 29.247	121 / 29.807	- / -	121 / 29.807

*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:
 FY2022 Base procurement dollars of \$29.807 million will support the procurement of 121 Infantry Squad Vehicle (ISV), contractor System Engineering/Program Management (SEPM), fielding to include Spares, Total Package Fielding (TPF), and Interim Contractor Support (ICS), Engineering Change Proposals (ECP) to include retrofits, Logistics Development, System Technical Support (STS), test refurbishment, and program management to support Base requirements. The ISV is a critical program in the Combat Vehicle Modernization Strategy. The ISVs mobility, coupled with speed, will substantially increase IBCT tactical employment options and rapidly deploy infantry elements to positions of 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.

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 3484D15501 / Ground Mobility Vehicles (GMV)
		Item Number / Title [DODIC]: D15505 / Ground Mobility Vehicles (Light) GMV (L)

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)	233	81	113	121	-	121
Gross/Weapon System Cost (\$ in Millions)	88.419	37.038	29.247	29.807	-	29.807
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	88.419	37.038	29.247	29.807	-	29.807
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	88.419	37.038	29.247	29.807	-	29.807

(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)	379.481	457.259	258.823	246.339	-	246.339

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
Ground Mobility Vehicles (GMV)-AGMV1.1	269.376	170	45.794	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kits	-	-	1.276	-	-	0.058	-	-	0.018	-	-	0.018	-	-	-	-	-	0.018
Ground Mobility Vehicles- SOCOM GMV1.1 ^(†)	325.364	77	25.053	324.440	50	16.222	-	-	-	-	-	-	-	-	-	-	-	-
Ground Mobility Vehicles (GMV) Infantry Squad Varriant (ISV) ^(†)	-	-	-	183.065	31	5.675	151.850	113	17.159	150.314	121	18.188	-	-	-	150.314	121	18.188
<i>Subtotal: Recurring Cost</i>	-	-	72.123	-	-	21.955	-	-	17.177	-	-	18.206	-	-	-	-	-	18.206
Non Recurring Cost																		
Test Refurbishment	-	-	-	-	-	-	-	-	0.827	-	-	-	-	-	-	-	-	-
FY21 Rescission	-	-	-	-	-	2.278	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	2.278	-	-	0.827	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	72.123	-	-	24.233	-	-	18.004	-	-	18.206	-	-	-	-	-	18.206
Logistics Cost																		
Non Recurring Cost																		
Logistics Development	-	-	-	-	-	3.582	-	-	3.357	-	-	4.626	-	-	-	-	-	4.626

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Exhibit P-5, Cost Analysis: PB 2022 Army												Date: May 2021					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10						P-1 Line Item Number / Title: 3484D15501 / Ground Mobility Vehicles (GMV)						Item Number / Title [DODIC]: D15505 / Ground Mobility Vehicles (Light) GMV (L)					
ID Code (A=Service Ready, B=Not Service Ready) : B												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 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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: Non Recurring Cost</i>	-	-	-	-	-	3.582	-	-	3.357	-	-	4.626	-	-	-	-	-	4.626
<i>Subtotal: Logistics Cost</i>	-	-	-	-	-	3.582	-	-	3.357	-	-	4.626	-	-	-	-	-	4.626
Support - Engineering Change Proposals Cost																		
Engineering Change Proposals	-	-	-	-	-	0.130	-	-	0.392	-	-	0.913	-	-	-	-	-	0.913
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	-	-	-	0.130	-	-	0.392	-	-	0.913	-	-	-	-	-	0.913
Support - Fielding Cost																		
Fielding	-	-	7.577	-	-	3.971	-	-	2.830	-	-	1.732	-	-	-	-	-	1.732
<i>Subtotal: Support - Fielding Cost</i>	-	-	7.577	-	-	3.971	-	-	2.830	-	-	1.732	-	-	-	-	-	1.732
Support - Program Management Cost																		
Government Management	-	-	3.295	-	-	1.332	-	-	1.279	-	-	1.304	-	-	-	-	-	1.304
Contractor Management	-	-	5.424	-	-	3.336	-	-	2.242	-	-	2.110	-	-	-	-	-	2.110
<i>Subtotal: Support - Program Management Cost</i>	-	-	8.719	-	-	4.668	-	-	3.521	-	-	3.414	-	-	-	-	-	3.414
Support - System Technical Support (STS) Cost																		
System Technical Support (STS)	-	-	-	-	-	0.454	-	-	1.143	-	-	0.916	-	-	-	-	-	0.916
<i>Subtotal: Support - System Technical Support (STS) Cost</i>	-	-	-	-	-	0.454	-	-	1.143	-	-	0.916	-	-	-	-	-	0.916
Gross/Weapon System Cost	379.481	233	88.419	457.259	81	37.038	258.823	113	29.247	246.339	121	29.807	-	-	-	246.339	121	29.807

Remarks:

Logistics Development: Funding increases from FY21 to FY22 of \$1.269 million is a result of increased contract price in FY22 for continued development of maintainer manual and support efforts to maintenance evaluation.

Engineering Change Proposals (ECP): Funding increase from FY21 to FY22 of \$.521 million a result in the implementation of Engineering Change Proposals (ECP) and retrofits to vehicles produced and delivered based on results from observations made on the production line, operational assessments, or from feedback from test events/solider feedback. In accordance with the USD (AT&L) approved cost position methodologies, GMV ECPs were developed as an analogy based upon a study of multiple legacy tactical wheeled vehicles.

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 3484D15501 / Ground Mobility Vehicles (GMV)	Item Number / Title [DODIC]: D15505 / Ground Mobility Vehicles (Light) GMV (L)

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	81	113	121	-	121
	Total Obligation Authority	37.038	29.247	29.807	-	29.807
Total:	Quantity	81	113	121	-	121
Secondary Distribution	Total Obligation Authority	37.038	29.247	29.807	-	29.807

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

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army							Date: May 2021				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 3484D15501 / Ground Mobility Vehicles (GMV)				Item Number / Title [DODIC]: D15505 / Ground Mobility Vehicles (Light) GMV (L)				

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
Ground Mobility Vehicles- SOCOM GMV1.1		2020	GD-OTS / St. Petersburg, FL	C / FFP	SOCOM Tampa, FL	Mar 2020	Jul 2020	50	324.440	Y		
Ground Mobility Vehicles (GMV) Infantry Squad Variant (ISV) ^(†)		2020	General Motors (GM) Defense / Concord, NC	C / FFP	Warren, MI	Jun 2020	Oct 2020	31	183.065	N		Feb 2020
Ground Mobility Vehicles (GMV) Infantry Squad Variant (ISV) ^(†)		2021	General Motors (GM) Defense / Concord, NC	C / FFP	Warren, MI	Apr 2021	Jul 2021	113	151.850	N		Feb 2020
Ground Mobility Vehicles (GMV) Infantry Squad Variant (ISV) ^(†)		2022	General Motors (GM) Defense / Concord, NC	C / FFP	Warren, MI	Nov 2021	Mar 2022	121	150.314	N		Feb 2020

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2022 Army															Date: May 2021														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 3484D15501 / Ground Mobility Vehicles (GMV)										Item Number / Title [DODIC]: D15505 / Ground Mobility Vehicles (Light) GMV (L)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 1	BAL D U E A S O F 1 O C T	Calendar Year 2022														Calendar Year 2023														
							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					
Ground Mobility Vehicles (GMV) Infantry Squad Varriant (ISV)																																			
1		2020	ARMY	31	31	0																								0					
1		2021	ARMY	113	27	86	9	9	10	10	13	9	9	9	8															0					
1		2022	ARMY	121	0	121		A	-	-	-	-	4	4	4	5	13	13	13	13	13	13	13	13	13					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 2022 Army							Date: May 2021					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10				P-1 Line Item Number / Title: 3484D15501 / Ground Mobility Vehicles (GMV)				Item Number / Title [DODIC]: D15505 / Ground Mobility Vehicles (Light) GMV (L)				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2022	1-8-5 For 2022	MAX For 2022	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 Motors (GM) Defense - Concord, NC	14	16	64	0	9	4	13	0	2	4	6

Remarks:
FY22: Planning on awarding 92 vehicles in Dec 2021 and remaining 46 vehicles in June 2022 after Full Rate Production (FRP) decision.

"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 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles

P-1 Line Item Number / Title:
 3636D10000 / ARNG HMMWV Modernization Program

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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	2,001	0	530	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	955.060	-	100.000	-	-	-	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	955.060	-	100.000	-	-	-	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	955.060	-	100.000	-	-	-	-	-	-	-	-	-

(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>)	477.291	-	188.679	-	-	-	-	-	-	-	-	-

Description:

The Army National Guard (ARNG) requires its existing older High Mobility Multipurpose Wheeled Vehicle (HMMWV) fleet be modernized to the current configuration. Prior year funding supported the procurement of new M997A3 Ambulances for the ARNG; fieldings will continue through FY21. Funding also supported vehicle upgrades that include vehicle reliability enhancements incorporated into HMMWV production during Operation Iraqi Freedom and Operation Enduring Freedom to allow for installation of armor packages, by inclusion of improved suspension and vehicle cooling system enhancements. Lastly, prior year funding supported a Public Private Partnership (PPP) between AM General and Red River Army Depot (RRAD), consisting of vehicle disassembly and reassembly, application of designated mandatory replacement parts and compliance requirements, installation of Automotive Improvement Program and Reliability Enhancement Vehicle components, and Inspection and Repair Only as Necessary (IROAN) of the HMMWV cab. The cab was then integrated onto a new production rolling chassis to include a new engine, engine cooling system, transmission, and suspension system.

This current modernization effort consists of procuring new production, armor-capable HMMWVs for the ARNG to address their aging fleet and to reduce obsolescence burden. The new production program procures new production armor capable HMMWVs to modernize Modification Table of Organization and Equipment (MTOE) units. This allows for the divestiture of non-armored HMMWVs that currently pose readiness challenges and cannot be up-armored. This aligns with the Army's current modernization path while also addressing identified model mix gaps.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
ANG	Quantity	-	530	-	-	-	-	-	-	-
	Total Obligation Authority	-	100.000	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	530	-	-	-	-	-	-	-
	Total Obligation Authority	-	100.000	-	-	-	-	-	-	-

Justification:

D10000 has no FY2022 funding request. Correct quantity for FY21 is 599.

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles		P-1 Line Item Number / Title: 3636D10000 / ARNG HMMWV Modernization Program
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>"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 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 5600D15603 / JOINT LIGHT TACTICAL VEHICLE

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0605812M, 0605812A, 0206211M

Line Item MDAP/MAIS Code: 279

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	5,820	3,732	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,062.065	972.407	-	-	-	-	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	3,062.065	972.407	-	-	-	-	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3,062.065	972.407	-	-	-	-	-	-	-	-	-	-

(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>)	526.128	260.559	-	-	-	-	-	-	-	-	-	-

Description:

The Joint Light Tactical Vehicle (JLTV) Family of Vehicles (FoV), to include a companion trailer, is a United States Army (USA) lead, joint program with the U.S. Marine Corps (USMC). The JLTV approved Army Procurement Objective (APO) is 49,099 vehicles, of various configurations, capable of performing multiple mission roles and designed to provide protected, sustained, networked mobility for personnel and payloads across the full range of military operations. JLTV objectives include increased protection and performance over the current fleet; and, minimizing ownership costs by maximizing commonality, fuel efficiency, reliability, and maintaining effective competition throughout the life cycle. Commonality of components, maintenance procedures, training, etc., among vehicles is expected to be inherent in FoV solutions across mission variants to minimize total ownership cost. Unique service requirements have been minimized.

The JLTV Trailer (JLTV-T) is the companion trailer to the JLTV and safely carries its payload while maintaining the same mobility characteristics of the prime mover. The JLTV-T will be fielded as a system with the JLTV truck.

The approved Army Procurement Objective (APO) is 49,099 trucks for the U.S. Army.
 The approved Army Procurement Objective (APO) is 18,224 for JLTV-T for the U.S. Army.

Current contract options may be exercised through 30 November 2023 assuming contractual quantity headspace is still available. Current funding indicates headspace quantity of 16,901 may be achieved in FY 2021, with competitive follow on contract award anticipated in FY 2022.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	Quantity	3,001	-	-	-	-	-	-	-	-
	Total Obligation Authority	687.089	-	-	-	-	-	-	-	-
ANG	Quantity	186	-	-	-	-	-	-	-	-
	Total Obligation Authority	72.598	-	-	-	-	-	-	-	-
AR	Quantity	545	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles

P-1 Line Item Number / Title:
 5600D15603 / JOINT LIGHT TACTICAL VEHICLE

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0605812M, 0605812A, 0206211M

Line Item MDAP/MAIS Code: 279

		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Secondary Distribution	Total Obligation Authority	212.720	-	-	-	-	-	-	-	-
	Total:									
Secondary Distribution	Quantity	3,732	-	-	-	-	-	-	-	-
	Total Obligation Authority	972.407	-	-	-	-	-	-	-	-

Justification:

All procurement funding for the JLTV program has been moved to D15610 "Joint Light Tactical Vehicle Family of Vehicles" (JLTV FoV) beginning with FY 2021.

The FY 2020 quantities on the P-40 are a roll up of both JLTV and JLTV-T. Of the \$972.407 million base procurement dollars, \$906.702 million procures 2,322 vehicles and \$66.100 million procures 1,410 JLTV-T.

The P-40 Vehicle Quantity and Funding amounts are not current. Totals are as follows: Prior Year: QTY 8,621; \$3,062.720 million.

The FY 2020 President's Budget provides Congressional Language allocating up to \$66.100 million to procure the Joint Light Tactical Truck and Trailer with the FY 2020 Other Procurement, Army funding.

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 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0605812A, 0605812M, 0206211M

Line Item MDAP/MAIS Code: 247

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	3,398	2,744	-	2,744	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	884.414	574.562	-	574.562	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	884.414	574.562	-	574.562	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	884.414	574.562	-	574.562	-	-	-	-	-	-

(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>)	-	-	260.275	209.388	-	209.388	-	-	-	-	-	-

Description:

The Joint Light Tactical Vehicle (JLTV) Family of Vehicles (FoV), to include a companion trailer, is a United States Army (USA) acquisition lead, joint program with the U.S. Marine Corps (USMC). The JLTV approved Army Procurement Objective (APO) is 49,099 vehicles, of various configurations, capable of performing multiple mission roles and designed to provide protected, sustained, networked mobility for personnel and payloads across the full range of military operations. JLTV objectives include increased protection and performance over the current fleet; and, minimizing ownership costs by maximizing commonality, fuel efficiency, reliability, and maintaining effective competition throughout the life cycle. Commonality of components, maintenance procedures, training, etc., among vehicles is expected to be inherent in FoV solutions across mission variants to minimize total ownership cost. Unique service requirements have been minimized.

The approved Army Procurement Objective (APO) is 49,099 trucks for the U.S. Army.

The JLTV Trailer (JLTV-T) is the companion trailer to the JLTV and safely carries its payload while maintaining the same mobility characteristics of the prime mover. The JLTV-T will be fielded to units receiving JLTV trucks with a documented trailer requirement.

The approved Army Procurement Objective (APO) is 18,224 for JLTV-T for the U.S. Army.

Current contract options may be exercised through 30 November 2023 assuming contractual quantity headspace is still available. Current funding indicates headspace quantity of 16,901 may be achieved in FY 2021, with competitive follow on contract award anticipated in FY 2022. A split procurement will occur between the existing Oshkosh contract and the new competitively awarded contract based on the approved acquisition strategy. The Program Office continues to gather insight from industry partners to better understand their position to ensure strong competition for the follow on contract.

Secondary Distribution	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	-	2,836	1,986	-	1,986	-	-	-	-
Total Obligation Authority	-	644.352	383.827	-	383.827	-	-	-	-
ANG	-	207	461	-	461	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles
P-1 Line Item Number / Title: 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0605812A, 0605812M, 0206211M

Line Item MDAP/MAIS Code: 247

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
	Total Obligation Authority	-	88.421	135.153	-	135.153	-	-	-	-
AR	Quantity	-	355	297	-	297	-	-	-	-
	Total Obligation Authority	-	151.641	55.582	-	55.582	-	-	-	-
Total:	Quantity	-	3,398	2,744	-	2,744	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	884.414	574.562	-	574.562	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0605812A, 0605812M, 0206211M

Line Item MDAP/MAIS Code: 247

Exhibits Schedule					Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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	D15615 / JOINT LIGHT TACTICAL VEHICLE (JLTV)	P-5a, P-21	A		- / -	- / -	1,901 / 812.023	1,203 / 496.122	- / -	1,203 / 496.122
P-5	D15618 / JOINT LIGHT TACTICAL VEHICLE TRAILER (JLTV-T)	P-5a, P-21			- / -	- / -	1,497 / 72.391	1,541 / 78.440	- / -	1,541 / 78.440
P-40	Total Gross/Weapon System Cost				- / -	- / -	3,398 / 884.414	2,744 / 574.562	- / -	2,744 / 574.562

*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 2022 Base procurement dollars in the amount of \$574.562 million supports a quantity of 1,203 trucks of various configurations as well as 1,541 companion trailers to fulfill the requirements of multiple mission roles and minimize ownership costs for the Army's Light Tactical Vehicle fleet. Other budget activities include kit procurement, Engineering Change Proposals (ECPs), program management to include a Source Selection Board (SSEB), fielding, Contractor Systems Engineering/Program Management (SEPM), System Technical Support (STS), Training Aids, Devices, Simulators and Simulation (TADSS) support. Funding also supports the continuation of the JLTV test program to include Production Verification Testing (PVT) and completion of A2 Engine testing.

In FY22 JLTV Trailer continues the Army strategy to buy JLTV Trailers to support both current fieldings alongside JLTV trucks and fieldings to units which have previously received JLTV trucks with a documented trailer requirement.

JLTV Trailer FY2022-FY2026 Army National Guard (ANG) and Army Reserve (AR) quantities are pending Basis of Issue Plan (BOIP) approval by United States Army Force Management Support Agency (USAFMSA).

NOTE: This budget line D15610 is a continuation of an existing effort where prior year funds through FY 2020 are reflected under the previous budget line D15603.

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 2022 Army													Date: May 2021					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10						P-1 Line Item Number / Title: 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES						Item Number / Title [DODIC]: D15615 / JOINT LIGHT TACTICAL VEHICLE (JLTV)						
ID Code (A=Service Ready, B=Not Service Ready) : A									MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 Total				
Procurement Quantity (Units in Each)				-		-		1,901		1,203		-		1,203				
Gross/Weapon System Cost (\$ in Millions)				-		-		812.023		496.122		-		496.122				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				-		-		812.023		496.122		-		496.122				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				-		-		812.023		496.122		-		496.122				
<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)				-		-		427.156		412.404		-		412.404				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
--General Purpose ^(†)	-	-	-	-	-	-	266.954	632	168.715	280.047	513	143.664	-	-	-	280.047	513	143.664
--Heavy Guns Carrier ^(†)	-	-	-	-	-	-	267.808	796	213.175	282.368	76	21.460	-	-	-	282.368	76	21.460
--Utility ^(†)	-	-	-	-	-	-	256.049	473	121.111	267.406	614	164.187	-	-	-	267.406	614	164.187
--Kits	-	-	-	-	-	-	-	-	155.237	-	-	72.588	-	-	-	-	-	72.588
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	658.238	-	-	401.899	-	-	-	-	-	401.899
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	658.238	-	-	401.899	-	-	-	-	-	401.899
Support - Engineering Change Proposals Cost																		
Engineering Change Proposals	-	-	-	-	-	-	-	-	31.389	-	-	9.475	-	-	-	-	-	9.475
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	-	-	-	-	-	-	31.389	-	-	9.475	-	-	-	-	-	9.475
Support - Fielding Cost																		
Fielding	-	-	-	-	-	-	-	-	31.599	-	-	22.363	-	-	-	-	-	22.363
<i>Subtotal: Support - Fielding Cost</i>	-	-	-	-	-	-	-	-	31.599	-	-	22.363	-	-	-	-	-	22.363
Support - Operational/Site Activation Cost																		
Contractor Technical Support	-	-	-	-	-	-	-	-	5.070	-	-	6.972	-	-	-	-	-	6.972

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Exhibit P-5, Cost Analysis: PB 2022 Army												Date: May 2021					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10						P-1 Line Item Number / Title: 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES						Item Number / Title [DODIC]: D15615 / JOINT LIGHT TACTICAL VEHICLE (JLTV)					
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 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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 - Operational/Site Activation Cost</i>	-	-	-	-	-	-	-	-	5.070	-	-	6.972	-	-	-	-	-	6.972
Support - Program Management Cost																		
Government Management	-	-	-	-	-	-	-	-	21.723	-	-	21.299	-	-	-	-	-	21.299
Contractor Management	-	-	-	-	-	-	-	-	5.119	-	-	7.064	-	-	-	-	-	7.064
<i>Subtotal: Support - Program Management Cost</i>	-	-	-	-	-	-	-	-	26.842	-	-	28.363	-	-	-	-	-	28.363
Support - System Technical Support (STS) Cost																		
System Technical Support (STS)	-	-	-	-	-	-	-	-	22.939	-	-	24.106	-	-	-	-	-	24.106
<i>Subtotal: Support - System Technical Support (STS) Cost</i>	-	-	-	-	-	-	-	-	22.939	-	-	24.106	-	-	-	-	-	24.106
Support - System Test and Evaluation Cost																		
Test and Evaluation Support	-	-	-	-	-	-	-	-	11.384	-	-	2.681	-	-	-	-	-	2.681
<i>Subtotal: Support - System Test and Evaluation Cost</i>	-	-	-	-	-	-	-	-	11.384	-	-	2.681	-	-	-	-	-	2.681
Support - Training Cost																		
Equipment	-	-	-	-	-	-	-	-	24.562	-	-	0.263	-	-	-	-	-	0.263
<i>Subtotal: Support - Training Cost</i>	-	-	-	-	-	-	-	-	24.562	-	-	0.263	-	-	-	-	-	0.263
Gross/Weapon System Cost	-	-	-	-	-	-	427.156	1,901	812.023	412.404	1,203	496.122	-	-	-	412.404	1,203	496.122

Remarks:

Unit Cost - FY 2021 to FY 2022 increase is due to higher estimated unit costs for the competitive follow on contract.

Engineering Change Proposals (ECPs) - FY 2021 to FY 2022 decrease due to retrofit funding transitioning to MOD Line, SSN D00929, the completion of the Transparent Armor, Forward Facing Camera and Muffler retrofit efforts in FY 2021 and less trucks being procured in FY 2022.

System Technical Support (STS) - FY 2021 to FY 2022 increase of \$1.151 million is due to higher labor rates between option periods on the current contract.

Program Management (Contractor) - FY 2021 to FY 2022 increase of \$1.945 million is due to an overlap of contractor support between the first contract and competitive follow on contract.

System Test and Evaluation - FY 2021 to FY 2022 decrease of \$8.703 million is due to the completion of the A2 engine testing in FY 2021.

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES	Item Number / Title [DODIC]: D15615 / JOINT LIGHT TACTICAL VEHICLE (JLTV)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Fielding - FY 2021 to FY 2022 decrease of \$10.231 million is due to the procurement of less vehicles. The estimated hours per vehicle were revised. Previously it was estimated 86 hours per vehicle and now is estimated at 123 hours per vehicle based on actuals.

Contractor Technical Support, Operational/Site Activation, Interim Contractor Support (ICS) - FY 2021 to FY 2022 increase of \$1.902 million is due to a higher amount of fieldings occurring in FY 2022 than FY 2021, requiring more FSRs and a higher labor rate for the FSRs.

Kits - FY 2022 amount of \$12.736 million supports the organic industrial base with work to be performed at Rock Island Arsenal, including purchase of long lead material and subsequent production effort for turret rings.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	-	1,339	782	-	782
	Total Obligation Authority	-	571.961	322.501	-	322.501
ANG	Quantity	-	207	309	-	309
	Total Obligation Authority	-	88.421	127.432	-	127.432
AR	Quantity	-	355	112	-	112
	Total Obligation Authority	-	151.641	46.189	-	46.189
Total:	Quantity	-	1,901	1,203	-	1,203
Secondary Distribution	Total Obligation Authority	-	812.023	496.122	-	496.122

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

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army								Date: May 2021			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES					Item Number / Title [DODIC]: D15615 / JOINT LIGHT TACTICAL VEHICLE (JLTV)			

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
--General Purpose ^(†)		2021	- General Purpose / Oshkosh Defense LLC, Oshkosh Wisconsin	C / FFP	TACOM	Nov 2020	Sep 2021	632	266.954	Y		Feb 2014
--General Purpose ^(†)		2022	- General Purpose / Oshkosh Defense LLC, Oshkosh Wisconsin	C / FFP	TACOM	Nov 2021	Sep 2022	411	279.433	Y		Feb 2014
--General Purpose ^(†)		2022	-General Purpose / TBD	C / TBD	TACOM	Sep 2022	Jul 2023	102	279.433	Y		Jan 2022
--Heavy Guns Carrier ^(†)		2021	- Heavy Guns Carrier / Oshkosh Defense LLC, Oshkosh Wisconsin	C / FFP	TACOM	Nov 2020	Sep 2021	796	267.808	Y		Feb 2014
--Heavy Guns Carrier ^(†)		2022	- Heavy Guns Carrier / Oshkosh Defense LLC, Oshkosh Wisconsin	C / FFP	TACOM	Nov 2021	Sep 2022	58	283.873	Y		Feb 2014
--Heavy Guns Carrier ^(†)		2022	-Heavy Guns Carrier / TBD	C / TBD	TACOM	Sep 2022	Jul 2023	18	283.873	Y		Jan 2022
--Utility ^(†)		2021	- Utility / Oshkosh Defense LLC, Oshkosh Wisconsin	C / FFP	TACOM	Nov 2020	Sep 2021	473	256.049	Y		Feb 2014
--Utility ^(†)		2022	- Utility / Oshkosh Defense LLC, Oshkosh Wisconsin	C / FFP	TACOM	Nov 2021	Sep 2022	494	266.623	Y		Feb 2014
--Utility ^(†)		2022	-Utility / TBD	C / TBD	TACOM	Sep 2022	Jul 2023	120	266.623	Y		Jan 2022

^(†) indicates the presence of a P-21

Remarks:

FY 2022 is a split procurement between the current and competitive follow on contracts, therefore follow on unit costs are estimates.

FY 2021, FY2022 (Oshkosh), total for all variants and services.

MSR is 2,880 per year.

1-8-5 is 3,600.

Max quantity per year is 7,200.

Oshkosh transitioned to a standalone JLTV production line in 2nd Quarter FY 2021.

FY 2022 (TBD):

MSR is TBD.

1-8-5 is TBD.

Max quantity per year is TBD.

FY 2022 (TBD) Production rates are only estimates based upon current rates until a manufacturer is selected through competitive contract award.

Close Combat Weapons Carrier (CCWC) line is not displayed on the P-5a or P-21 as there are no CCWCs being procured by the USA in FY 2022.

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Exhibit P-21, Production Schedule: PB 2022 Army															Date: May 2021														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES										Item Number / Title [DODIC]: D15615 / JOINT LIGHT TACTICAL VEHICLE (JLTV)									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2021															Fiscal Year 2022															BALANCE		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021															Calendar Year 2022															
							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							
--General Purpose																																					
1	2021	ARMY	632	0	632		A	-	-	-	-	-	-	-	-	-	52	52	52	52	53	53	53	53	53	53	53	-	0								
1	2021	NAVY (+)	136	0	136		A	-	-	-	-	-	-	-	-	-	-	-	11	11	11	11	11	11	11	11	12	12	12								
1	2021	Total	768	0	768		-	-	-	-	-	-	-	-	-	-	52	52	63	63	64	64	64	64	64	64	65	65	12	12							
1	2022	ARMY	411	0	411														A	-	-	-	-	-	-	-	-	-	34	377							
1	2022	NAVY (+)	150	0	150														A	-	-	-	-	-	-	-	-	-	12	138							
1	2022	Total	561	0	561														-	-	-	-	-	-	-	-	-	-	46	515							
2	2022	ARMY	102	0	102																									A	-	102					
2	2022	NAVY (+)	30	0	30																									A	-	30					
2	2022	Total	132	0	132																								-	-	132						
--Heavy Guns Carrier																																					
3	2021	ARMY	796	0	796		A	-	-	-	-	-	-	-	-	-	66	66	66	66	66	66	66	66	67	67	67	67	-	0							
3	2021	NAVY (+)	504	0	504		A	-	-	-	-	-	-	-	-	-	-	-	-	42	42	42	42	42	42	42	42	42	42	42	42						
3	2021	Total	1,300	0	1,300		-	-	-	-	-	-	-	-	-	-	66	66	108	108	108	108	108	108	109	109	109	109	42	42							
3	2022	ARMY	58	0	58														A	-	-	-	-	-	-	-	-	-	4	54							
3	2022	NAVY (+)	270	0	270														A	-	-	-	-	-	-	-	-	-	22	248							
3	2022	Total	328	0	328														-	-	-	-	-	-	-	-	-	-	26	302							
4	2022	ARMY	18	0	18																									A	-	18					
4	2022	NAVY (+)	52	0	52																									A	-	52					
4	2022	Total	70	0	70																								-	-	70						
--Utility																																					
5	2021	ARMY	473	0	473		A	-	-	-	-	-	-	-	-	-	39	39	39	39	39	39	39	40	40	40	40	40	-	0							
5	2021	NAVY (+)	83	0	83		A	-	-	-	-	-	-	-	-	-	-	-	-	6	7	7	7	7	7	7	7	7	7	7	7						
5	2021	Total	556	0	556		-	-	-	-	-	-	-	-	-	-	39	39	45	46	46	46	46	47	47	47	47	47	7	7							
5	2022	ARMY	494	0	494														A	-	-	-	-	-	-	-	-	-	41	453							
5	2022	NAVY (+)	93	0	93														A	-	-	-	-	-	-	-	-	-	7	86							
5	2022	Total	587	0	587														-	-	-	-	-	-	-	-	-	-	48	539							
6	2022	ARMY	120	0	120																									A	-	120					
6	2022	NAVY (+)	18	0	18																									A	-	18					
6	2022	Total	138	0	138																								-	-	138						
							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 2022 Army														Date: May 2021																											
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10														P-1 Line Item Number / Title: 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES														Item Number / Title [DODIC]: D15615 / JOINT LIGHT TACTICAL VEHICLE (JLTV)													

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					
--General Purpose																																			
1	2021	ARMY	632	632	0	-																											0		
1	2021	NAVY (+)	136	124	12	12																											0		
1	2021	Total	768	756	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
1	2022	ARMY	411	34	377	34	34	34	34	34	34	34	34	35	35	35																	0		
1	2022	NAVY (+)	150	12	138	12	12	12	12	12	13	13	13	13	13	13																	0		
1	2022	Total	561	46	515	46	46	46	46	46	47	47	47	48	48	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
2	2022	ARMY	102	0	102	-	-	-	-	-	-	-	-	-	8	8	8	8	8	8	9	9	9	9	9	9							0		
2	2022	NAVY (+)	30	0	30	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	3	3	3	3	3	3							0		
2	2022	Total	132	0	132	-	-	-	-	-	-	-	-	-	10	10	10	10	10	10	12	12	12	12	12	12	12	-	-	-	0				
--Heavy Guns Carrier																																			
3	2021	ARMY	796	796	0	-																											0		
3	2021	NAVY (+)	504	462	42	42																											0		
3	2021	Total	1,300	1,258	42	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
3	2022	ARMY	58	4	54	4	5	5	5	5	5	5	5	5	5	5																	0		
3	2022	NAVY (+)	270	22	248	22	22	22	22	22	23	23	23	23	23	23																	0		
3	2022	Total	328	26	302	26	27	27	27	27	28	28	28	28	28	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
4	2022	ARMY	18	0	18	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	2	2	2	2	2	2							0		
4	2022	NAVY (+)	52	0	52	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	5	5	5	5							0		
4	2022	Total	70	0	70	-	-	-	-	-	-	-	-	-	5	5	5	5	5	5	6	6	7	7	7	7	-	-	-	-	0				
--Utility																																			
5	2021	ARMY	473	473	0	-																											0		
5	2021	NAVY (+)	83	76	7	7																											0		
5	2021	Total	556	549	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
5	2022	ARMY	494	41	453	41	41	41	41	41	41	41	41	41	42	42																	0		
5	2022	NAVY (+)	93	7	86	7	7	8	8	8	8	8	8	8	8	8																	0		
5	2022	Total	587	48	539	48	48	49	49	49	49	49	49	49	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
6	2022	ARMY	120	0	120	-	-	-	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10	10	10	10							0		
6	2022	NAVY (+)	18	0	18	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	2	2	2	2	2	2							0		
6	2022	Total	138	0	138	-	-	-	-	-	-	-	-	-	11	11	11	11	11	11	12	12	12	12	12	12	-	-	-	-	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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES
		Item Number / Title [DODIC]: D15615 / JOINT LIGHT TACTICAL VEHICLE (JLTV)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2022	1-8-5 For 2022	MAX For 2022	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 Purpose - Oshkosh Defense LLC, Oshkosh Wisconsin	720	900	1,800	0	10	10	20	0	3	10	13
2	-General Purpose - TBD	720	900	1,800	0	10	10	20	0	3	10	13
3	- Heavy Guns Carrier - Oshkosh Defense LLC, Oshkosh Wisconsin	720	900	1,800	0	10	10	20	0	3	10	13
4	-Heavy Guns Carrier - TBD	720	900	1,800	0	10	10	20	0	3	10	13
5	- Utility - Oshkosh Defense LLC, Oshkosh Wisconsin	720	900	1,800	0	10	10	20	0	3	10	13
6	-Utility - TBD	720	900	1,800	0	10	10	20	0	3	10	13

Remarks:

USMC FY 2021 Awarded in January 2021, system will not allow USMC award month to differ from USA.

A split procurement will occur between the existing Oshkosh contract and the new competitively awarded contract based on the approved acquisition strategy.

Estimated production rates are yearly.

Oshkosh transitioned to a standalone JLTV production line in 2nd Quarter FY 2021. Awaiting OEM update for the MSR data.

FY 2022 (TBD) Production rates are only estimates based upon current rates until a manufacturer is selected through competitive contract award.

Close Combat Weapons Carrier (CCWC) line is not displayed on the P-21 as there are no CCWC's being procured by the USA in FY 2022.

(†) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES	Item Number / Title [DODIC]: D15618 / JOINT LIGHT TACTICAL VEHICLE TRAILER (JLTV-T)

ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:					
Resource Summary				Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)				-	-	1,497	1,541	-	1,541
Gross/Weapon System Cost (\$ in Millions)				-	-	72.391	78.440	-	78.440
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				-	-	72.391	78.440	-	78.440
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)				-	-	72.391	78.440	-	78.440
<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)				-	-	48.357	50.902	-	50.902

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
Trailers ^(†)	-	-	-	-	-	-	44.465	1,497	66.564	47.691	1,541	73.492	-	-	-	47.691	1,541	73.492
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	66.564	-	-	73.492	-	-	-	-	-	73.492
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	66.564	-	-	73.492	-	-	-	-	-	73.492
Support - Engineering Change Proposals Cost																		
Engineering Change Proposals	-	-	-	-	-	-	-	-	0.637	-	-	1.587	-	-	-	-	-	1.587
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	-	-	-	-	-	-	0.637	-	-	1.587	-	-	-	-	-	1.587
Support - Fielding Cost																		
Fielding	-	-	-	-	-	-	-	-	2.499	-	-	2.628	-	-	-	-	-	2.628
<i>Subtotal: Support - Fielding Cost</i>	-	-	-	-	-	-	-	-	2.499	-	-	2.628	-	-	-	-	-	2.628
Support - Program Management Cost																		
Government Management	-	-	-	-	-	-	-	-	0.978	-	-	0.733	-	-	-	-	-	0.733
<i>Subtotal: Support - Program Management Cost</i>	-	-	-	-	-	-	-	-	0.978	-	-	0.733	-	-	-	-	-	0.733
Support - System Test and Evaluation Cost																		
Test and Evaluation Support	-	-	-	-	-	-	-	-	1.713	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES	Item Number / Title [DODIC]: D15618 / JOINT LIGHT TACTICAL VEHICLE TRAILER (JLTV-T)
ID Code (A=Service Ready, B=Not Service Ready) :		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 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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 - System Test and Evaluation Cost</i>	-	-	-	-	-	-	-	-	1.713	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	-	48.357	1,497	72.391	50.902	1,541	78.440	-	-	-	50.902	1,541	78.440

Remarks:
Unit Cost - FY 2021 to FY 2022 increase is due to higher contract costs on the current contract and higher estimated unit costs for the competitive follow on contract.

Engineering Change Proposals (ECPs) - FY 2021 to FY 2022 increase of \$0.950 million due to increased JLTV Trailer quantities and expected increases based on results from observations made on the production line and soldier feedback.

Fielding - FY 2022 Fielding increase of \$0.129 million due to increased JLTV Trailer quantities and higher estimated Authorized Stockage List (ASL) costs associated with the FY2022 competitive follow on contract.

JLTV Trailer FY2022 Army National Guard (ANG) and Army Reserve (AR) quantities are pending Basis of Issue Plan (BOIP) approval by United States Army Force Management Support Agency (USAFMSA).

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	-	1,497	1,204	-	1,204
	Total Obligation Authority	-	72.391	61.326	-	61.326
ANG	Quantity	-	-	152	-	152
	Total Obligation Authority	-	-	7.721	-	7.721
AR	Quantity	-	-	185	-	185
	Total Obligation Authority	-	-	9.393	-	9.393
Total: Secondary Distribution	Quantity	-	1,497	1,541	-	1,541
	Total Obligation Authority	-	72.391	78.440	-	78.440

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

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army							Date: May 2021					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES				Item Number / Title [DODIC]: D15618 / JOINT LIGHT TACTICAL VEHICLE TRAILER (JLTV-T)					

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
Trailers ^(†)		2021	Oshkosh Defense LLC / Oshkosh, Wisconsin	SS / FP	TACOM Warren, MI	Nov 2020	May 2021	1,497	44.465	Y		Feb 2014
Trailers ^(†)		2022	Oshkosh Defense LLC / Oshkosh, Wisconsin	SS / FP	TACOM Warren, MI	Nov 2021	May 2022	877	47.691	Y		Feb 2014
Trailers ^(†)		2022	TBD / TBD	C / TBD	TBD	Sep 2022	Mar 2023	664	47.691	Y		Jan 2022

(†) indicates the presence of a P-21

Remarks:

FY 2022 is a split procurement between the current and competitive follow on contracts, therefore follow on unit costs are estimates.

FY 2021, FY2022 (Oshkosh)
MSR is 500 per year.
1-8-5 is 500 per year.
Max quantity per year is 2,000.

Oshkosh's main production line is not wholly JLTV Trailer and has been set up to run other Military Equipment and Commercial Business on the same line during the same shift. As such they do not have a unique JLTV 1-8-5.

FY 2022 (TBD):
MSR is TBD.
1-8-5 is TBD.
Max quantity per year is TBD.
FY 2022 (TBD) Production rates are only estimates based upon current rates until a manufacturer is selected through competitive contract award.

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Exhibit P-21, Production Schedule: PB 2022 Army															Date: May 2021														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES										Item Number / Title [DODIC]: D15618 / JOINT LIGHT TACTICAL VEHICLE TRAILER (JLTV-T)									

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			
Trailers																																	
	1	2021	ARMY	1,497	1,497	0	-	-																							0		
	1	2021	NAVY (‡)	74	62	12	6	6																							0		
	1	2021	Total	1,571	1,559	12	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
	1	2022	ARMY	877	514	363	68	65	69	54	42	38	27																	0			
	1	2022	NAVY (‡)	79	40	39	8	7	7	6	4	4	3																	0			
	1	2022	Total	956	554	402	76	72	76	60	46	42	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
	2	2022	ARMY	664	0	664	-	-	-	-	-	19	34	32	53	41	71	69	73	67	63	67	75							0			
	2	2022	NAVY (‡)	168	0	168	-	-	-	-	-	4	8	8	13	10	17	15	20	18	17	18	20							0			
	2	2022	Total	832	0	832	-	-	-	-	-	23	42	40	66	51	88	84	93	85	80	85	95	-	-	-	-	-	-	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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 5731D15610 / JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES
		Item Number / Title [DODIC]: D15618 / JOINT LIGHT TACTICAL VEHICLE TRAILER (JLTV-T)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2022	1-8-5 For 2022	MAX For 2022	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	Oshkosh Defense LLC - Oshkosh, Wisconsin	500	500	2,000	12	4	6	10	0	2	6	8
2	TBD - TBD	500	500	2,000	12	4	6	10	0	2	6	8

Remarks:
 USMC FY 2021 Award planned for June 2021, system will not allow USMC award month to differ from USA.
 A split procurement will occur between the existing Oshkosh contract and the new competitively awarded contract based on the approved acquisition strategy.
 FY 2022 USMC trailer procurement of 79 will be included in current JLTV Trailer contract (Oshkosh), USMC trailer procurement of 168 will be included in follow on JLTV Trailer contract (TBD).
 Oshkosh's main production line is not wholly JLTV Trailer and has been set up to run other Military Equipment and Commercial Business on the same line during the same shift. As such they do not have a unique JLTV 1-8-5.
 FY 2022 (TBD) Production rates are only estimates based upon current rates until a manufacturer is selected through competitive contract award.

(±) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.
 "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 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles

P-1 Line Item Number / Title:
 5862D16001 / TRUCK, DUMP, 20T (CCE)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	2	7	61	22	-	22	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	55.664	13.006	29.368	9.882	-	9.882	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	55.664	13.006	29.368	9.882	-	9.882	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	55.664	13.006	29.368	9.882	-	9.882	-	-	-	-	-	-

(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>)	27,832.000	1,858.000	481.443	449.182	-	449.182	-	-	-	-	-	-

Description:

The M917A3 Heavy Dump Truck (HDT) is a 27.0 ton vehicle based off of a commercial platform. It is procured with an armor solution that is in compliance with the Long Term Armor Strategy (LTAS) v3.6 perimeter ballistic specification and Mine Resistant Ambush Protected (MRAP) CPD v1.1 underbody ballistic specification and can be operated with or without armor. The HDT supports construction and maintenance of main supply routes, logistical facilities, helipads, airfields, landing strips, motor pools and parking areas. It also supports construction by loading, transporting, and dumping payloads of sand and gravel aggregates, crushed rock, hot paving mixes, earth, clay, rubble, and large boulders at engineering and construction sites under worldwide climatic conditions in a military environment. The HDT is required to replace the F5070, M917, and M917A1 HDT with the oldest fielded variant over 50 years of age. The Approved Acquisition Objective (AAO) is 1,220 vehicles.

Secondary Distribution	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	Quantity	3	8	11	-	11	-	-	-
	Total Obligation Authority	5.574	3.851	4.941	-	4.941	-	-	-
ANG	Quantity	2	15	-	-	-	-	-	-
	Total Obligation Authority	3.716	7.221	-	-	-	-	-	-
AR	Quantity	2	38	11	-	11	-	-	-
	Total Obligation Authority	3.716	18.296	4.941	-	4.941	-	-	-
Total:	Quantity	7	61	22	-	22	-	-	-
Secondary Distribution	Total Obligation Authority	13.006	29.368	9.882	-	9.882	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 5862D16001 / TRUCK, DUMP, 20T (CCE)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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	D16001 / TRUCK, DUMP, 20T (CCE)	P-5a, P-21	A		2 / 55.664	7 / 13.006	61 / 29.368	22 / 9.882	- / -	22 / 9.882
P-40	Total Gross/Weapon System Cost				2 / 55.664	7 / 13.006	61 / 29.368	22 / 9.882	- / -	22 / 9.882

*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:
 FY2022 base procurement dollars of \$9.882 million will procure 22 Heavy Dump Trucks (HDTs) to support Base requirements. This program supports Multi Domain Operations (MDO) and Large Scale Combat Operations (LSCO) by providing significant modernized debris hauling capability in support of ABCT mobility, counter mobility and survivability. The current fleet of HDT is well beyond their economic useful life with an average age of 30 years and the older models of the vehicle are nearly 50 years old. Repair parts are difficult to obtain and the current HDT are not fully mission capable. Procuring new vehicles will enable Combat Support Engineer units to accomplish Combatant Commander mission requirements in today's operational environment and the operational environment of the future. This program supports the National Defense Strategy to prioritize maintaining the capabilities of combat commanders and enhances their ability to compete and provide freedom of maneuver during conflict. The HDT supports construction and maintenance of main supply routes, logistical facilities, helipads, airfields, landing strips, motor pools, and parking areas.

Matrix Functional Support is required to address/augment Engineering and Logistic functions, capabilities and gaps to supplement core employee competencies. System Engineering oversight and multiple functions of Logistics support such as management, fielding, tracking and documentation is required during the acquisition process.

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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 5862D16001 / TRUCK, DUMP, 20T (CCE)
		Item Number / Title [DODIC]: D16001 / TRUCK, DUMP, 20T (CCE)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (<i>Units in Each</i>)	2	7	61	22	-	22
Gross/Weapon System Cost (<i>\$ in Millions</i>)	55.664	13.006	29.368	9.882	-	9.882
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	55.664	13.006	29.368	9.882	-	9.882
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	55.664	13.006	29.368	9.882	-	9.882

(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>)	27,832.000	1,858.000	481.443	449.182	-	449.182

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
M917A3 Truck ^(†)	17,260.500	2	34.521	328.000	7	2.296	344.115	61	20.991	352.636	22	7.758	-	-	-	352.636	22	7.758
FRET	-	-	0.151	-	-	0.275	-	-	2.400	-	-	0.760	-	-	-	-	-	0.760
Engineering Changes	-	-	0.166	-	-	0.142	-	-	0.696	-	-	0.210	-	-	-	-	-	0.210
Functional Matrix Support	-	-	6.828	-	-	1.300	-	-	1.480	-	-	0.853	-	-	-	-	-	0.853
Test	-	-	11.644	-	-	2.616	-	-	1.656	-	-	-	-	-	-	-	-	-
Documentation	-	-	2.299	-	-	5.945	-	-	0.676	-	-	-	-	-	-	-	-	-
Support Equipment	-	-	-	-	-	0.270	-	-	0.554	-	-	0.052	-	-	-	-	-	0.052
Fielding	-	-	0.016	-	-	0.112	-	-	0.527	-	-	0.191	-	-	-	-	-	0.191
First Destination Transportation	-	-	0.039	-	-	0.050	-	-	0.388	-	-	0.058	-	-	-	-	-	0.058
<i>Subtotal: Recurring Cost</i>	-	-	55.664	-	-	13.006	-	-	29.368	-	-	9.882	-	-	-	-	-	9.882
<i>Subtotal: Flyaway Cost</i>	-	-	55.664	-	-	13.006	-	-	29.368	-	-	9.882	-	-	-	-	-	9.882
Gross/Weapon System Cost	27,832.000	2	55.664	1,858.000	7	13.006	481.443	61	29.368	449.182	22	9.882	-	-	-	449.182	22	9.882

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	3	8	11	-	11
	Total Obligation Authority	5.574	3.851	4.941	-	4.941
ANG	Quantity	2	15	-	-	-

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Exhibit P-5, Cost Analysis: PB 2022 Army	Date: May 2021
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 5862D16001 / TRUCK, DUMP, 20T (CCE)	Item Number / Title [DODIC]: D16001 / TRUCK, DUMP, 20T (CCE)
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ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Secondary Distribution						
	Total Obligation Authority	3.716	7.221	-	-	-
AR	Quantity	2	38	11	-	11
	Total Obligation Authority	3.716	18.296	4.941	-	4.941
Total:	Quantity	7	61	22	-	22
Secondary Distribution	Total Obligation Authority	13.006	29.368	9.882	-	9.882

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

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 5862D16001 / TRUCK, DUMP, 20T (CCE)	Item Number / Title [DODIC]: D16001 / TRUCK, DUMP, 20T (CCE)
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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
M917A3 Truck ^(†)		2020	Mack Defense, LLC / Allentown, PA	Option / IDIQ	TACOM, Warren, MI	Nov 2020	May 2021	7	328.000	N		
M917A3 Truck ^(†)		2021	Mack Defense, LLC / Allentown, PA	Option / IDIQ	TACOM, Warren, MI	Mar 2021	Sep 2021	61	344.115	N		
M917A3 Truck ^(†)		2022	Mack Defense, LLC / Allentown, PA	Option / IDIQ	TACOM, Warren, MI	Mar 2022	Sep 2022	22	352.636	N		

^(†) indicates the presence of a P-21

Remarks:

FY 2019 Army Reserve funding was provided for 90 trucks that were awarded in November 2020 with deliveries beginning May 2021.

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Exhibit P-21, Production Schedule: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 5862D16001 / TRUCK, DUMP, 20T (CCE)	Item Number / Title [DODIC]: D16001 / TRUCK, DUMP, 20T (CCE)
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2021														Fiscal Year 2022												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021														Calendar Year 2022												
							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			
M917A3 Truck																																	
Prior Years Deliveries: 2																																	
	1	2020	ARMY	7	0	7		A	-	-	-	-	-	-	1	1	1	1	1	1	1								0				
	1	2021	ARMY	61	0	61												5	5	5	5	5	5	5	5	5	6		0				
	1	2022	ARMY	22	0	22																						5	17				
								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 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 5862D16001 / TRUCK, DUMP, 20T (CCE)	Item Number / Title [DODIC]: D16001 / TRUCK, DUMP, 20T (CCE)
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
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 2	BAL D U E A S O F 1 O C T	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
M917A3 Truck																															
Prior Years Deliveries: 2																															
	1	2020	ARMY	7	7	0																							0		
	1	2021	ARMY	61	61	0																							0		
	1	2022	ARMY	22	5	17	5	5	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 2022 Army	Date: May 2021
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 5862D16001 / TRUCK, DUMP, 20T (CCE)	Item Number / Title [DODIC]: D16001 / TRUCK, DUMP, 20T (CCE)
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2022	1-8-5 For 2022	MAX For 2022	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	Mack Defense, LLC - Allentown, PA	1	5	20	1	2	6	8	0	6	6	12

Remarks:

FY 2019 Army Reserve funding was provided for 90 trucks that were awarded in November 2020 with deliveries beginning May 2021.

"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 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 6866D15500 / Family Of Medium Tactical Veh (FMTV)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604604A

Line Item MDAP/MAIS Code: 746

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	1,146	341	442	83	-	83	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	14,096.863	138.057	181.092	36.885	-	36.885	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	14,096.863	138.057	181.092	36.885	-	36.885	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	14,096.863	138.057	181.092	36.885	-	36.885	-	-	-	-	-	-

(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>)	12,300.928	404.859	409.710	444.398	-	444.398	-	-	-	-	-	-

Description:

The Family of Medium Tactical Vehicles (FMTV) is a complete series of trucks and trailers, based on a common chassis, that vary by payload and mission. FMTV performs over 55% of the Army's local, line haul, and unit resupply missions in combat, combat support, and combat service support units. FMTV variants consist of: 4x4 Light Medium Tactical Vehicle (LMTV) Cargo, Shop Van, and Low Velocity Air Drop (LVAD) Light Cargo; 6x6 Medium Tactical Vehicle Standard Wheelbase Cargo, Long Wheelbase Cargo, Tractor, LVAD Medium Cargo, Expansible Van, 5 Ton LVAD Dump, Wrecker, 10 Ton Dump, and 8.8 Ton Load Handling System (LHS); and three types of companion trailers. The FMTV A2 model is an upgraded version in support of the Long Term Armoring Strategy (LTAS) which provides the ability to add armor protection to the FMTV family. The A2 allows Commanders to adapt to new armor technologies, changing missions, and changing threats. The A2 model enhancements allow the ability for increased underbody armor protection, payload, mobility, ride quality, safety, and electrical power generation. Component upgrades include a higher capacity suspension, an expanded data bus, Electronic Stability Control, higher capacity alternator, and an increase in engine power. The A2 family will continue to be based on a common chassis. Commonality between variants significantly reduces operation and maintenance costs. Extended applications of the FMTV include support to other Army requirements such as: Integrated Air & Missile Defense (IAMS); Patriot; Warfighter Information Network - Tactical (WIN-T); Aviation Ground Support Equipment (AGSE); High Mobility Artillery Rocket System (HIMARS); CAMEL II Unit Water Pod System; Multi-Mission Launcher (MML); Cruise Missile Defense System (CMDS); Air Traffic Control MOTS AN/TSW-7A; Distributed Common Ground System (DCGS); Universal Ground Control Station; Gray Eagle; Chemical & Biological Protection System (M8E1); Harbormaster Command & Control Center (HCCC); Test, Measurement, & Diagnostic Equipment (CALSET); Medium Extended Air Defense System (MEADS); Terminal High Altitude Area Defense (THAAD); and EQ-36 Fire Finder Radar. Prior year quantities through FY 2010 reflect trucks only.

Prior year quantities through FY 2010 reflect trucks only. Beginning in FY 2011, quantities reflect trucks and trailers calculated at different unit prices.

D03500 - The M1082 Light Medium Tactical Vehicle (LMTV) Trailer is designed to be towed by the Medium Tactical Vehicle (MTV) family of vehicles. The M1082 is a single axle trailer with a gross payload capacity of 5,000 pounds. The trailer is equipped with an air brake system actuated by the prime mover and a parking brake system to prevent movement of the trailer when not connected to the prime mover.

D04500 - The M1095 Medium Tactical Vehicle (MTV) Trailer is designed to be towed by the MTV family of vehicles. The M1095 is a dual axle trailer with a gross payload capacity of 10,000 pounds. The trailer is equipped with an air brake system actuated by the prime mover (truck) and a parking brake system to prevent movement of the trailer when not connected to the truck. The M1147 Load Handling System (LHS) Trailer is designed to be a companion trailer to the M1148 LHS truck. The M1147 is capable of transporting Flatracks M1 & M1077, Container Roll On/Off Platform (CROP) M3 & M3A1, and standard ISO Container/Shelter (8' x 8' x 20') with a 17,600 lb. payload capacity. The M1147 LHS trailers is a wagon type trailer with a turntable style front axle, an Air Ride Suspension with an Air Pressure Sensor Gage for Overload Indication, and an air assist feature that allows one Soldier to couple the trailer tongue to the M1148 LHS truck pintle.

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles		P-1 Line Item Number / Title: 6866D15500 / Family Of Medium Tactical Veh (FMTV)

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0604604A
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Line Item MDAP/MAIS Code: 746

D13500 - The Light Medium Tactical Vehicle (LMTV) family includes: The M1078A2 3 Ton Cargo Truck designed to transport cargo and Soldiers. Bed side rails are mounted on hinges and can be lowered to facilitate loading. The cargo bed is also equipped with bench seats for the transport of Soldiers. The M1079A2 LMTV 3 Ton Shop Van is designed to transport cargo and tools and function as a command and control unit configurable to each unit's mission requirements. The van body is equipped with an electrical system, blackout lighting, and heating capabilities with the ability to accept an air conditioning unit. The cab design for both variants is armor-capable under the Army's Long Term Armoring Strategy (LTAS) and designed with integrated armor in difficult to install locations with accessories for the acceptance of "B-kit" armor panels and an Underbody Armor Kit "UAK". These cabs enable the Soldier to adapt the system to the mission, threat, or new armor technologies. Key system components have been upgraded to enable the system to carry the additional armor weight while retaining the 6,000 pound payload. The M1080A2 LMTV 3 Ton Chassis Truck is designed to transport cargo and is utilized by data interchange customers in which that Army program can integrate their system onto the chassis platform.

D14500 - The Medium Tactical Vehicle (MTV) family includes cargo, tractor, van, wrecker, chassis, load handling system and dump truck models. All the FMTV variants have an armor capable cab designed under the Army's Long Term Armoring Strategy. The cab is designed with integrated armor in difficult to install locations and has appurtenances for the acceptance of B-kit armor panels and an Underbody Armor Kit "UAK". This cab enables the Soldier to adapt the system to the mission, threat, or new armor technologies. All models have key system components upgraded to enable the system to carry the additional armor weight while retaining its payload capacity. The M1083A2 8 Ton Cargo Truck is designed to transport cargo and Soldiers. Bed side rails are mounted on hinges and can be lowered to facilitate loading. The cargo bed is equipped with bench seats for the transport of Soldiers. The M1084A2 8 Ton Cargo Truck with Material Handling Equipment (MHE) is designed to transport cargo and Soldiers. Bed side rails are mounted on hinges and can be lowered to facilitate loading. The system is equipped with a crane capable of lifting 11,000 lbs. The M1085A2 8 Ton Long Wheelbase Cargo Truck is designed to transport cargo and Soldiers. Bed side rails are mounted on hinges and can be lowered to facilitate loading. The cargo bed is lengthened to provide additional cargo space. The M1086A2 8 Ton Long Wheelbase Cargo Truck with MHE is designed to transport cargo and Soldiers. Bed side rails are mounted on hinges and can be lowered to facilitate loading. The cargo bed is lengthened to provide additional cargo space. The system is also equipped with a crane capable of lifting 11,000 lbs. The M1087A2 Expandable Van is designed to function as a Mobile Command Post. The van body features two sliding sections which deploy to increase the total internal work area volume. The on board 12 Volt Alternating Current (VAC) and 24 Volt Direct Current (VDC) electrical systems provide power for equipment and the integrated Heating, Ventilation and Air Condition (HVAC) and blackout lighting systems. The M1088A2 Tractor is designed for line-haul operations. The tractor is the prime mover for the M871 semi-trailer and can tow this trailer both on and off road. Equipped with a Society of Automotive Engineers (SAE) J700 2.0-inch kingpin, the tractor can tow trailers up to 63,000 lbs. Gross Combined Weight (GCW). The M1089A2 Wrecker is designed for recovery of FMTV and smaller vehicles via lift and flat tow. Key system components have been upgraded to enable the system to recover Armor configuration equipped FMTV vehicles in both lift and tow configurations. The system is equipped with an upgraded under lift assembly capable of recovering vehicles up to 65,000 lb GVW, two 30,000 lb. main recovery winches, a 15,500 lb. rated self-recovery winch, two hydraulic stabilizer legs for anchoring, and a crane capable of lifting 14,200 lbs. The M1092A2 Chassis and M1096A2 MTV LWB Chassis 8 Ton Trucks are designed to transport cargo and utilized by data interchange customers in which that Army program can integrate their system onto the chassis platform. The M1148 Load Handling System (LHS) is designed for transporting 8x8x20 ft. ISO containers and flat racks. The system is equipped with an on board Container Handling Unit (CHU) and stowage system which fold for air transport and in cab LHS system controls. The system can also load its companion M1147 LHS Trailer. The M1157 Dump Truck is primarily designed for construction missions, but also has the capability to transport troops and cargo. The dump system features in-cab tilt and tailgate release controls, payload indication system, manual hydraulic and pneumatic bypasses, and the capability for troop seats. The system can be equipped with or without a self-recovery winch kit capable of fore and aft vehicle recovery. The M1273 10 Ton Dump Chassis is designed to transport cargo and utilized by data interchange customers in which that Army program can integrate their system onto the chassis platform.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	Quantity	171	224	41	-	41	-	-	-	-
	Total Obligation Authority	69.136	93.270	18.724	-	18.724	-	-	-	-
ANG	Quantity	109	175	31	-	31	-	-	-	-
	Total Obligation Authority	44.214	72.553	13.441	-	13.441	-	-	-	-
AR	Quantity	61	43	11	-	11	-	-	-	-
	Total Obligation Authority	24.707	15.269	4.720	-	4.720	-	-	-	-
Total: Secondary Distribution	Quantity	341	442	83	-	83	-	-	-	-
	Total Obligation Authority	138.057	181.092	36.885	-	36.885	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 6866D15500 / Family Of Medium Tactical Veh (FMTV)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604604A

Line Item MDAP/MAIS Code: 746

Exhibits Schedule					Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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	D13500 / LIGHT MEDIUM TACT VEHICLE FAMILY (4X4)	P-5a			849 / 5,250.400	97 / 40.942	79 / 23.731	13 / 5.000	- / -	13 / 5.000
P-5	D14500 / MEDIUM TACT VEHICLE FAMILY (6X6)	P-5a, P-21			297 / 8,846.463	244 / 97.115	363 / 157.361	70 / 31.885	- / -	70 / 31.885
P-40	Total Gross/Weapon System Cost				1,146 / 14,096.863	341 / 138.057	442 / 181.092	83 / 36.885	- / -	83 / 36.885

*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 2022 Base Procurement dollars in the amount of \$36.885 million supports a quantity of 83 various Armor Capable Light and Medium Tactical Vehicle Trucks. The various Light and Medium Tactical Vehicles fill the 3-ton truck, and 8 ton truck requirements to fulfill Army modularity requirements and modernize the medium fleet, reduce operating and support costs, resolve potential operational deficiencies and operate throughout the theater as a multi-purpose transportation vehicle used by combat, combat support and combat service support units.

The following SSNs below roll-up to the parent SSN D15500:

LIGHT MEDIUM TACTICAL VEHICLE TRAILER D03500
 There are no FY 2022 Base Procurement funding requirements for this program.

MEDIUM TACTICAL VEHICLE TRAILER D04500
 There are no FY 2022 Base Procurement funding requirements for this program.

LIGHT MEDIUM TACTICAL VEHICLE FAMILY D13500
 FY 2022 Base Procurement dollars in the amount of \$5.000 million supports a quantity of 13 various Light Medium Tactical Vehicle (LMTV) armor capable trucks to fill the 3 ton truck requirements, fulfill Army modularity requirements and modernize the medium fleet, reduce operating and support costs, resolve potential operational deficiencies, and operate throughout the theater as a multi-purpose transportation vehicle used by combat, combat support and combat services support units.

MEDIUM TACTICAL VEHICLE FAMILY D14500
 FY 2022 Base Procurement dollars in the amount of \$31.885 million supports a quantity of 70 various Medium Tactical Vehicle (MTV) armor capable trucks to fill the 8-ton truck requirement, fulfill Army modularity requirements and modernize the medium fleet, reduce operating and support costs, resolve potential operational deficiencies and operate throughout the theater as a multi-purpose transportation vehicle used by combat, combat support and combat service support units.

Matrix Support includes PM and System Engineering oversight required to manage the program and provide contractor oversight. Salaries, Benefits, Travel, Personnel Training and other government costs are included for retaining a professional acquisition workforce.

Changes in FRET paid by the PM from A1P2 to A2 include: The M1078A1P2, M1079A1P2, and M1092A1P2 did not require FRET. The M1078A2, M1079A2, and M1092A2 do require FRET because these variants now weigh over 33,000 lbs. Gross Vehicle Weight Rating (GVWR).

Unit cost growth is due to the reduction in budget. Yearly fixed costs do not change with quantity, with fewer vehicles being purchased all fixed costs are spread across this reduced quantity. This results in a higher APUC.

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles		P-1 Line Item Number / Title: 6866D15500 / Family Of Medium Tactical Veh (FMTV)
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0604604A
Line Item MDAP/MAIS Code: 746		

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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 6866D15500 / Family Of Medium Tactical Veh (FMTV)	Item Number / Title [DODIC]: D13500 / LIGHT MEDIUM TACT VEHICLE FAMILY (4X4)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity <i>(Units in Each)</i>	849	97	79	13	-	13
Gross/Weapon System Cost <i>(\$ in Millions)</i>	5,250.400	40.942	23.731	5.000	-	5.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	5,250.400	40.942	23.731	5.000	-	5.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	5,250.400	40.942	23.731	5.000	-	5.000

(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>	6,184.217	422.082	300.392	384.615	-	384.615

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
Various Vehicles ^(†)	163.349	2,699	440.879	235.691	97	22.862	235.266	79	18.586	242.077	13	3.147	-	-	-	242.077	13	3.147
Kits	-	-	2.151	-	-	0.165	-	-	0.029	-	-	0.030	-	-	-	-	-	0.030
Recurring Engineering (STS)	-	-	7.886	-	-	2.592	-	-	0.315	-	-	0.330	-	-	-	-	-	0.330
Quality Assurance	-	-	0.807	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	3.749	-	-	0.686	-	-	0.558	-	-	0.094	-	-	-	-	-	0.094
Matrix Support	-	-	20.113	-	-	4.621	-	-	0.968	-	-	0.978	-	-	-	-	-	0.978
Testing	-	-	3.246	-	-	0.253	-	-	0.295	-	-	-	-	-	-	-	-	-
Data	-	-	2.064	-	-	4.855	-	-	1.693	-	-	0.017	-	-	-	-	-	0.017
Fielding A1P2 and Prior Variant	-	-	4,769.505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding A2 Variant	-	-	-	-	-	4.908	-	-	1.287	-	-	0.404	-	-	-	-	-	0.404
<i>Subtotal: Recurring Cost</i>	-	-	5,250.400	-	-	40.942	-	-	23.731	-	-	5.000	-	-	-	-	-	5.000
<i>Subtotal: Flyaway Cost</i>	-	-	5,250.400	-	-	40.942	-	-	23.731	-	-	5.000	-	-	-	-	-	5.000
Gross/Weapon System Cost	6,184.217	849	5,250.400	422.082	97	40.942	300.392	79	23.731	384.615	13	5.000	-	-	-	384.615	13	5.000

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 6866D15500 / Family Of Medium Tactical Veh (FMTV)	Item Number / Title [DODIC]: D13500 / LIGHT MEDIUM TACT VEHICLE FAMILY (4X4)

ID Code (A=Service Ready, B=Not Service Ready) :	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 Element Breakout	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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)
Various Vehicles	163.349	2,699	440.879	235.691	97	22.862	235.266	79	18.586	242.077	13	3.147	-	-	-	242.077	13	3.147
--LMTV Cargo M1078	160.759	2,409	387.268	235.691	97	22.862	235.266	79	18.586	242.077	13	3.147	-	-	-	242.077	13	3.147
--LMTV Cargo WW M1078	145.782	101	14.724	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
--LMTV Van M1079	205.751	189	38.887	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	48	33	6	-	6
	Total Obligation Authority	20.260	9.913	2.308	-	2.308
ANG	Quantity	31	31	5	-	5
	Total Obligation Authority	13.085	9.312	1.923	-	1.923
AR	Quantity	18	15	2	-	2
	Total Obligation Authority	7.597	4.506	0.769	-	0.769
Total: Secondary Distribution	Quantity	97	79	13	-	13
	Total Obligation Authority	40.942	23.731	5.000	-	5.000

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

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army							Date: May 2021				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 6866D15500 / Family Of Medium Tactical Veh (FMTV)				Item Number / Title [DODIC]: D13500 / LIGHT MEDIUM TACT VEHICLE FAMILY (4X4)				

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
Various Vehicles		2020	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Jul 2021	May 2022	97	235.691	N		
Various Vehicles		2021	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Jul 2021	May 2022	79	235.266	N		
Various Vehicles		2022	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Jun 2022	Apr 2023	13	242.077	Y		

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 6866D15500 / Family Of Medium Tactical Veh (FMTV)
		Item Number / Title [DODIC]: D14500 / MEDIUM TACT VEHICLE FAMILY (6X6)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)	297	244	363	70	-	70
Gross/Weapon System Cost (\$ in Millions)	8,846.463	97.115	157.361	31.885	-	31.885
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	8,846.463	97.115	157.361	31.885	-	31.885
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	8,846.463	97.115	157.361	31.885	-	31.885

(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)	29,786.071	398.012	433.501	455.500	-	455.500

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
Various Vehicles(†)	278.946	13,692	3,819.328	348.488	244	85.031	297.926	363	108.147	281.343	70	19.694	-	-	-	281.343	70	19.694
Kits	-	-	12.846	-	-	0.038	-	-	0.177	-	-	0.180	-	-	-	-	-	0.180
Recurring Engineering (STS)	-	-	66.017	-	-	0.593	-	-	3.155	-	-	1.962	-	-	-	-	-	1.962
Quality Assurance	-	-	8.160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRET	-	-	182.053	-	-	5.024	-	-	6.389	-	-	1.163	-	-	-	-	-	1.163
Engineering Changes	-	-	44.187	-	-	2.551	-	-	3.244	-	-	0.591	-	-	-	-	-	0.591
Matrix Support	-	-	86.743	-	-	1.057	-	-	6.586	-	-	5.816	-	-	-	-	-	5.816
Testing	-	-	7.677	-	-	0.058	-	-	8.314	-	-	-	-	-	-	-	-	-
Data	-	-	2.973	-	-	1.111	-	-	12.992	-	-	0.100	-	-	-	-	-	0.100
Fielding	-	-	4,616.479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding A2 Variant	-	-	-	-	-	1.652	-	-	8.357	-	-	2.379	-	-	-	-	-	2.379
<i>Subtotal: Recurring Cost</i>	-	-	8,846.463	-	-	97.115	-	-	157.361	-	-	31.885	-	-	-	-	-	31.885
<i>Subtotal: Flyaway Cost</i>	-	-	8,846.463	-	-	97.115	-	-	157.361	-	-	31.885	-	-	-	-	-	31.885
Gross/Weapon System Cost	29,786.071	297	8,846.463	398.012	244	97.115	433.501	363	157.361	455.500	70	31.885	-	-	-	455.500	70	31.885

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 6866D15500 / Family Of Medium Tactical Veh (FMTV)	Item Number / Title [DODIC]: D14500 / MEDIUM TACT VEHICLE FAMILY (6X6)

ID Code (A=Service Ready, B=Not Service Ready) :	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 Element Breakout	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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)
Various Vehicles	278.946	13,692	3,819.328	348.488	244	85.031	297.926	363	108.147	281.343	70	19.694	-	-	-	281.343	70	19.694
--MTV Cargo M1083	161.124	4,722	760.829	266.490	51	13.591	265.890	155	41.213	272.930	43	11.736	-	-	-	272.930	43	11.736
--MTV Cargo w/winch M1083	158.869	887	140.917	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
--MTV Cargo MHE M1084	353.367	690	243.823	352.909	11	3.882	342.987	155	53.163	350.500	2	0.701	-	-	-	350.500	2	0.701
--MTV Cargo-Long Wheel Base (LWB) M1085	305.332	1,480	451.891	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
--MTV Cargo-LWB w/winch M1085	162.508	65	10.563	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
--MTV LWB Cargo w/ MHE M1086	214.556	9	1.931	-	-	-	259.830	53	13.771	-	-	-	-	-	-	-	-	-
--MTV Expansible Van M1087	653.345	1,195	780.747	-	-	-	-	-	-	551.500	2	1.103	-	-	-	551.500	2	1.103
--MTV Tractor M1088	281.314	2,582	726.354	260.627	51	13.292	-	-	-	267.565	23	6.154	-	-	-	267.565	23	6.154
--MTV Wrecker M1089	641.788	363	232.969	500.529	34	17.018	-	-	-	-	-	-	-	-	-	-	-	-
--MTV LHS M1148	274.462	52	14.272	384.000	97	37.248	-	-	-	-	-	-	-	-	-	-	-	-
--MTV 10 Ton Dump M1157	179.123	827	148.135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
--MTV 10 Ton Dump M1157 w/winch	374.267	820	306.899	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	123	191	35	-	35
	Total Obligation Authority	48.876	83.357	16.416	-	16.416
ANG	Quantity	78	144	26	-	26
	Total Obligation Authority	31.129	63.241	11.518	-	11.518
AR	Quantity	43	28	9	-	9
	Total Obligation Authority	17.110	10.763	3.951	-	3.951
Total:	Quantity	244	363	70	-	70
Secondary Distribution	Total Obligation Authority	97.115	157.361	31.885	-	31.885

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

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army							Date: May 2021				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 6866D15500 / Family Of Medium Tactical Veh (FMTV)				Item Number / Title [DODIC]: D14500 / MEDIUM TACT VEHICLE FAMILY (6X6)				

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
Various Vehicles ^(†)		2020	Oshkosh Corp / Oshkosh	SS / FFP	Tacom, Warren, MI	Jul 2021	May 2022	244	348.488	N		
Various Vehicles ^(†)		2021	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Jul 2021	May 2022	363	297.926	N		
Various Vehicles ^(†)		2022	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Jun 2022	Apr 2023	70	281.343	Y		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 6866D15500 / Family Of Medium Tactical Veh (FMTV)
		Item Number / Title [DODIC]: D14500 / MEDIUM TACT VEHICLE FAMILY (6X6)

Cost Elements <i>(Units in Each)</i>				Fiscal Year 2021														Fiscal Year 2022														BALANCE			
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021														Calendar Year 2022														
							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					

Various Vehicles

Prior Years Deliveries: 13692

1	2020	ARMY	244	0	244															A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	21	21	21	20	140										
1	2021	ARMY	363	0	363															A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	30	30	30	30	213									
1	2022	ARMY	70	0	70																													A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70

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Exhibit P-21, Production Schedule: PB 2022 Army															Date: May 2021														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 6866D15500 / Family Of Medium Tactical Veh (FMTV)										Item Number / Title [DODIC]: D14500 / MEDIUM TACT VEHICLE FAMILY (6X6)									

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			
Various Vehicles																																	
Prior Years Deliveries: 13692																																	
1		2020	ARMY	244	104	140	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0		
1		2021	ARMY	363	150	213	30	30	30	30	31	31	31																	0			
1		2022	ARMY	70	0	70	-	-	-	-	-	-	6	6	6	6	6	6	6	6	6	5	5							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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 6866D15500 / Family Of Medium Tactical Veh (FMTV)
		Item Number / Title [DODIC]: D14500 / MEDIUM TACT VEHICLE FAMILY (6X6)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2022	1-8-5 For 2022	MAX For 2022	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	Oshkosh Corp - Oshkosh	1	60	720	0	5	12	17	0	5	12	17

Remarks:
The FMTV A2 Requirements Contract is defined by Range Pricing and does not have a specified MSR.

"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 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles

P-1 Line Item Number / Title:
 6880D15620 / Family of Cold Weather All-Terrain Vehicle (CATV)

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604604A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	10	-	10	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	9.249	16.450	-	16.450	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	9.249	16.450	-	16.450	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	9.249	16.450	-	16.450	-	-	-	-	-	-

(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>)	-	-	-	1,645.000	-	1,645.000	-	-	-	-	-	-

Description:

The Cold-weather All-Terrain Vehicle (CATV) is a tracked vehicle that will provide transportation for up to a 10-Soldier element, emergency medical evacuation, command and control capability, and general cargo transportation on- and off-road in an Arctic environment under a wide range of otherwise impassable terrain, to include frozen ice, and extreme cold weather conditions to support year-round training as well as to conduct Homeland Defense (HD), Homeland Security (HS), and Defense support of Civil Authorities (DSCA) mission. The CATV will employ two carrier variants: General-purpose carrier variant capable of providing transport for not less than 9 Soldiers, plus the driver within a cab/enclosure (10 Soldiers) with equipment and supplies to sustain three days of combat operations. The General Purpose variant will be reconfigurable to a casualty evacuation (CASEVAC) variant capable of transporting medical equipment, two caregivers, and not less than two litter patients or four ambulatory patients in addition to the driver within a cab/enclosure. The General Purpose variant will also be reconfigurable to a Command and Control (C2) variant providing the space weight and power to hosting standard Joint communications and common operating picture (COP) platforms. The C2 and COP equipment should be able to be used enroute or with minimal setup upon halt by six Soldiers in addition to the driver within a cab/enclosure. Cargo/flatbed capable of carrying outsized equipment and cargo. The cargo variant should allow for loading cargo with a forklift from either side (i.e. dropside or flatbed configuration) and have a cab/enclosure for two Soldiers (driver and vehicle commander).

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	Quantity	-	-	10	-	10	-	-	-	-
	Total Obligation Authority	-	9.249	16.450	-	16.450	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	10	-	10	-	-	-	-
	Total Obligation Authority	-	9.249	16.450	-	16.450	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:** 6880D15620 / Family of Cold Weather All-Terrain Vehicle (CATV)

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604604A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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	D15611 / Cold Weather All-Terrain Vehicle (CATV) Gen Purpos	P-5a, P-21			- / -	- / -	- / 9.249	10 / 16.450	- / -	10 / 16.450
P-40	Total Gross/Weapon System Cost				- / -	- / -	- / 9.249	10 / 16.450	- / -	10 / 16.450

*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:
 The FY 2022 Base procurement dollars in the amount of \$16.450 million supports the procurement of 10 Cold-weather All-Terrain Vehicles (CATV).
 The FY2022 10 vehicle quantity needed to perform production testing to inform safety and other release information requirements.
 The unit cost will be mature in FY22 when the program offices lets the production contract.
 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 2022 Army													Date: May 2021																																																																																																																																																																																																																																																																										
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10						P-1 Line Item Number / Title: 6880D15620 / Family of Cold Weather All-Terrain Vehicle (CATV)						Item Number / Title [DODIC]: D15611 / Cold Weather All-Terrain Vehicle (CATV) Gen Purpos																																																																																																																																																																																																																																																																											
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:																																																																																																																																																																																																																																																																													
Resource Summary				Prior Years		FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 Total																																																																																																																																																																																																																																																																									
Procurement Quantity (Units in Each)				-		-		-		10		-		10																																																																																																																																																																																																																																																																									
Gross/Weapon System Cost (\$ in Millions)				-		-		9.249		16.450		-		16.450																																																																																																																																																																																																																																																																									
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-																																																																																																																																																																																																																																																																									
Net Procurement (P-1) (\$ in Millions)				-		-		9.249		16.450		-		16.450																																																																																																																																																																																																																																																																									
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-																																																																																																																																																																																																																																																																									
Total Obligation Authority (\$ in Millions)				-		-		9.249		16.450		-		16.450																																																																																																																																																																																																																																																																									
<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)				-		-		-		1,645.000		-		1,645.000																																																																																																																																																																																																																																																																									
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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 6880D15620 / Family of Cold Weather All-Terrain Vehicle (CATV)	Item Number / Title [DODIC]: D15611 / Cold Weather All-Terrain Vehicle (CATV) Gen Purpos

ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:				
Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Total:	Quantity	-	-	10	-	10
Secondary Distribution	Total Obligation Authority	-	9.249	16.450	-	16.450

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

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army							Date: May 2021					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 6880D15620 / Family of Cold Weather All-Terrain Vehicle (CATV)				Item Number / Title [DODIC]: D15611 / Cold Weather All-Terrain Vehicle (CATV) Gen Purpos					
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
CATV Manufacturing ^(†)		2021	TBD / TBD	C / FFP	TBD	Jun 2022	Apr 2023	5	1,501.600	N		
CATV Manufacturing ^(†)		2022	TBD / TBD	C / FFP	TBD	Jun 2022	Apr 2023	10	1,465.700	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2022 Army	Date: May 2021
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 6880D15620 / Family of Cold Weather All-Terrain Vehicle (CATV)	Item Number / Title [DODIC]: D15611 / Cold Weather All-Terrain Vehicle (CATV) Gen Purpos
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCE PT PRI OR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
CATV Manufacturing																															
	1	2021	ARMY	5	0	5																								0	
	1	2022	ARMY	10	0	10																								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 2022 Army																						Date: May 2021									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 6880D15620 / Family of Cold Weather All-Terrain Vehicle (CATV)										Item Number / Title [DODIC]: D15611 / Cold Weather All-Terrain Vehicle (CATV) Gen Purpos											
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
CATV Manufacturing																															
	1	2021	ARMY	5	5	0																							0		
	1	2022	ARMY	10	6	4	1	1	1	1																			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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 6880D15620 / Family of Cold Weather All-Terrain Vehicle (CATV)
		Item Number / Title [DODIC]: D15611 / Cold Weather All-Terrain Vehicle (CATV) Gen Purpos

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2022	1-8-5 For 2022	MAX For 2022	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	TBD - TBD	10	24	288	0	0	0	0	0	0	0	0

"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 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles

P-1 Line Item Number / Title:
 7000D15800 / Firetrucks & Associated Firefighting Equip

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

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	68	48	52	53	-	53	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	202.227	28.048	27.687	26.256	-	26.256	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	202.227	28.048	27.687	26.256	-	26.256	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	202.227	28.048	27.687	26.256	-	26.256	-	-	-	-	-	-

(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>)	2,973.926	584.333	532.442	495.396	-	495.396	-	-	-	-	-	-

Description:

This line is a roll-up of various Fire Trucks. These vehicles are used for fighting fires, and as a safety precaution at airfields and ammunition storage areas. In addition, these vehicles respond to forest fires, train and automobile accidents, and hazardous material incidents. These vehicles are essential to all military installations and to many local communities for the preservation of life and property.

Non-tactical Fire Trucks are of standard commercial design with only slight modifications. Examples include Structural Pumpers, Ladder Trucks, Hazardous Material (HAZMAT)/Rescue Trucks, Brush Tanker, Airfield Crash Trucks, Mobile Water Supply fire trucks, and Emergency Response Vehicles (ERV). These trucks are needed by all the Installation Management Command (IMCOM) regions, as well as by other Army Commands and units. The Army's Fire Fighting Vehicles are essential to all military installations and to many local communities for preservation of life and property. The Army fire fighting vehicles not only respond to fires on installations and within local communities, but also to forest fires, aircraft, train, automobile accidents and hazardous material incidents. Additionally, the ERV provides command and control capabilities in support of civil authorities and homeland defense missions. Procurements are made to fill shortages or to replace fire trucks that have reached over-aged or unserviceable condition. Non-tactical fire trucks is a vehicle replacement program that does not have a set Army Acquisition Objective (AAO).

Secondary Distribution	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	Quantity	48	50	51	-	51	-	-	-
	Total Obligation Authority	28.048	26.741	25.304	-	25.304	-	-	-
ANG	Quantity	-	2	2	-	2	-	-	-
	Total Obligation Authority	-	0.946	0.952	-	0.952	-	-	-
Total: Secondary Distribution	Quantity	48	52	53	-	53	-	-	-
	Total Obligation Authority	28.048	27.687	26.256	-	26.256	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:** 7000D15800 / Firetrucks & Associated Firefighting Equip

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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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	D15801 / FIRETRUCKS, NON-TACTICAL	P-5a, P-21	A		68 / 202.227	48 / 28.048	52 / 27.687	53 / 26.256	- / -	53 / 26.256
P-40	Total Gross/Weapon System Cost				68 / 202.227	48 / 28.048	52 / 27.687	53 / 26.256	- / -	53 / 26.256

*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 2022 Base procurement dollars in the amount of \$26.256 million supports Army installations and units with fire fighting protection and emergency response capability. A total of 53 Non-Tactical Fire Trucks are needed to replace over-aged trucks and fill existing shortages. Many over age trucks are unsafe, unable to respond to fire calls and uneconomical to repair. These trucks are needed by all the Installation Management Command (IMCOM) Regions: Atlantic, Central, Pacific, Korea and Europe, as well as other Army Commands and reporting Units. Examples include Structural Pumpers, Ladder Trucks, Airfield Crash Trucks, and Mobile Water Supply fire trucks, Search and Rescue Trucks, and Emergency Response Vehicles. A final assessment will be made by the program office during the year of execution on the specific Fire Trucks to be procured. It will be based on current operational requirements and priorities reported by the Army Commands.

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 2022 Army											Date: May 2021						
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10						P-1 Line Item Number / Title: 7000D15800 / Firetrucks & Associated Firefighting Equip						Item Number / Title [DODIC]: D15801 / FIRETRUCKS, NON-TACTICAL					
ID Code (A=Service Ready, B=Not Service Ready) : A											MDAP/MAIS Code:						
Resource Summary				Prior Years		FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 Total			
Procurement Quantity (Units in Each)				68		48		52		53		-		53			
Gross/Weapon System Cost (\$ in Millions)				202.227		28.048		27.687		26.256		-		26.256			
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-			
Net Procurement (P-1) (\$ in Millions)				202.227		28.048		27.687		26.256		-		26.256			
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-			
Total Obligation Authority (\$ in Millions)				202.227		28.048		27.687		26.256		-		26.256			
<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)				2,973.926		584.333		532.442		495.396		-		495.396			

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
Ladder Truck ^(†)	14,000.000	2	28.000	-	-	-	940.000	1	0.940	944.000	1	0.944	-	-	-	944.000	1	0.944
Structural Pumper ^(†)	1,970.068	44	86.683	494.263	19	9.391	500.550	20	10.011	498.526	19	9.472	-	-	-	498.526	19	9.472
Airfield Crash Truck ^(†)	4,948.917	12	59.387	687.273	11	7.560	695.000	9	6.255	699.000	8	5.592	-	-	-	699.000	8	5.592
Mobile Water Supply Truck ^(†)	1,665.500	8	13.324	-	-	-	365.000	7	2.555	368.000	7	2.576	-	-	-	368.000	7	2.576
Brush Pumper ^(†)	6,421.000	1	6.421	-	-	-	328.000	2	0.656	-	-	-	-	-	-	-	-	-
HAZMAT/Rescue Truck ^(†)	8,412.000	1	8.412	356.867	15	5.353	353.333	6	2.120	357.000	7	2.499	-	-	-	357.000	7	2.499
Mobile Command Vehicle ^(†)	-	-	-	669.000	1	0.669	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Response Vehicle ^(†)	-	-	-	4,075.000	1	4.075	691.833	6	4.151	418.500	10	4.185	-	-	-	418.500	10	4.185
Search and Rescue Truck ^(†)	-	-	-	1,000.000	1	1.000	999.000	1	0.999	988.000	1	0.988	-	-	-	988.000	1	0.988
<i>Subtotal: Recurring Cost</i>	-	-	202.227	-	-	28.048	-	-	27.687	-	-	26.256	-	-	-	-	-	26.256
<i>Subtotal: Flyaway Cost</i>	-	-	202.227	-	-	28.048	-	-	27.687	-	-	26.256	-	-	-	-	-	26.256
Gross/Weapon System Cost	2,973.926	68	202.227	584.333	48	28.048	532.442	52	27.687	495.396	53	26.256	-	-	-	495.396	53	26.256

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 7000D15800 / Firetrucks & Associated Firefighting Equip	Item Number / Title [DODIC]: D15801 / FIRETRUCKS, NON-TACTICAL

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

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	48	50	51	-	51
	Total Obligation Authority	28.048	26.741	25.304	-	25.304
ANG	Quantity	-	2	2	-	2
	Total Obligation Authority	-	0.946	0.952	-	0.952
Total:	Quantity	48	52	53	-	53
Secondary Distribution	Total Obligation Authority	28.048	27.687	26.256	-	26.256

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 7000D15800 / Firetrucks & Associated Firefighting Equip	Item Number / Title [DODIC]: D15801 / FIRETRUCKS, NON-TACTICAL
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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
Ladder Truck		2021	TBD / TBD	C / FP	DLA, Philadelphia, PA	Jun 2021	May 2022	1	940.000	N		
Ladder Truck		2022	TBD / TBD	C / FP	DLA, Philadelphia, PA	May 2022	Apr 2023	1	944.000	N		
Structural Pumper ^(†)		2020	Multiple / Multiple	C / FP	DLA, Philadelphia, PA	Nov 2020	Nov 2021	19	494.263	N		
Structural Pumper ^(†)		2021	TBD / TBD	C / FP	DLA, Philadelphia, PA	Jun 2021	Apr 2022	20	500.550	N		
Structural Pumper ^(†)		2022	TBD / TBD	C / FP	DLA, Philadelphia, PA	May 2022	Mar 2023	19	498.526	N		
Airfield Crash Truck ^(†)		2020	Oshkosh Airport Products / Oshkosh, WI	C / FP	DLA, Philadelphia, PA	Oct 2020	Dec 2021	11	687.273	Y		
Airfield Crash Truck ^(†)		2021	TBD / TBD	C / FP	DLA, Philadelphia, PA	Jul 2021	May 2022	9	695.000	N		
Airfield Crash Truck ^(†)		2022	TBD / TBD	C / FP	DLA, Philadelphia, PA	Apr 2022	Feb 2023	8	699.000	N		
Mobile Water Supply Truck		2021	TBD / TBD	C / FP	DLA, Philadelphia, PA	Aug 2021	Mar 2022	7	365.000	N		
Mobile Water Supply Truck		2022	TBD / TBD	C / FP	DLA, Philadelphia, PA	Jun 2022	Mar 2023	7	368.000	N		
Brush Pumper		2021	TBD / TBD	C / FP	DLA, Philadelphia, PA	Jul 2021	Feb 2022	2	328.000	N		
HAZMAT/Rescue Truck		2020	Multiple / Multiple	C / FP	DLA, Philadelphia, PA	Oct 2020	Oct 2021	15	356.867	Y		
HAZMAT/Rescue Truck		2021	TBD / TBD	C / FP	DLA, Philadelphia, PA	Jul 2021	Mar 2022	6	353.333	N		
HAZMAT/Rescue Truck		2022	TBD / TBD	C / FP	DLA, Philadelphia, PA	Jun 2022	Feb 2023	7	357.000	N		
Mobile Command Vehicle		2020	TBD / TBD	C / FP	Naval Facilities Command, Japan	Aug 2021	May 2022	1	669.000	N		
Emergency Response Vehicle		2020	U.S. Army Combat Capabilities Development Command, C5ISR Center / Aberdeen Proving Ground, MD	MIPR	Aberdeen Proving Ground, MD	Oct 2020	May 2022	1	4,075.000	N		
Emergency Response Vehicle		2021	TBD / TBD	C / FP	GSA, Washington, DC	Jul 2021	Oct 2022	6	691.833	N		
Emergency Response Vehicle		2022	TBD / TBD	C / FP	GSA, Washington, DC	Jul 2022	Oct 2023	10	418.500	N		
Search and Rescue Truck		2020	Rosenbauer America / Lyons, SD	C / FP	DLA, Philadelphia, PA	Apr 2020	May 2021	1	1,000.000	Y		
Search and Rescue Truck		2021	TBD / TBD	C / FP	DLA, Philadelphia, PA	Jun 2021	Aug 2022	1	999.000	N		
Search and Rescue Truck		2022	TBD / TBD	C / FP	DLA, Philadelphia, PA	Apr 2022	May 2023	1	988.000	N		

^(†) indicates the presence of a P-21

Remarks:

The primary PCO is the Defense Logistics Agency (DLA) located in Philadelphia. However, occasionally there is equipment that is procured overseas, such as Japan or Europe, or via the General Services Administration's (GSA) multiple awards schedule.

There will be multiple contractors for FY20 Structural Pumper. A quantity of 14 structural pumpers were awarded to Pierce Manufacturing Inc. (Appleton, WI). An additional quantity of five structural pumpers have not yet been awarded.

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 7000D15800 / Firetrucks & Associated Firefighting Equip	Item Number / Title [DODIC]: D15801 / FIRETRUCKS, NON-TACTICAL

There are multiple contractors for FY20 HAZMAT/Rescue Truck. A quantity of nine medium rescue trucks were awarded to Rosenbauer America (Lyons, SD), a quantity five HAZMAT trucks to Emergency One (Ocala, FL), and a quantity one heavy rescue truck to Rosenbauer America (Lyons, SD).

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Exhibit P-21, Production Schedule: PB 2022 Army															Date: May 2021														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 7000D15800 / Firetrucks & Associated Firefighting Equip										Item Number / Title [DODIC]: D15801 / FIRETRUCKS, NON-TACTICAL									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2022												Fiscal Year 2023												BALANCE		
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
Structural Pumper																															
Prior Years Deliveries: 44																															
	2	2020	ARMY	19	0	19	-	7	7	-	-	-	-	-	3	2													0		
	1	2021	ARMY	20	0	20	-	-	-	-	-	-	6	6	5	3													0		
	1	2022	ARMY	19	0	19							A -	-	-	-	-	-	-	-	-	6	5	5	-	3		0			
Airfield Crash Truck																															
Prior Years Deliveries: 12																															
	4	2020	ARMY	11	0	11	-	-	4	4	3																	0			
	3	2021	ARMY	9	0	9	-	-	-	-	-	-	-	4	5													0			
	3	2022	ARMY	8	0	8							A -	-	-	-	-	-	-	-	-	4	4					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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 7000D15800 / Firetrucks & Associated Firefighting Equip
		Item Number / Title [DODIC]: D15801 / FIRETRUCKS, NON-TACTICAL

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2022	1-8-5 For 2022	MAX For 2022	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	TBD - TBD	1	4	8	0	2	8	10	0	1	6	7
2	Multiple - Multiple	1	4	8	0	2	8	10	0	1	6	7
3	TBD - TBD	1	4	8	0	2	8	10	0	1	6	7
4	Oshkosh Airport Products - Oshkosh, WI	1	4	8	0	2	8	10	0	1	6	7

Remarks:
 Numerous contractors are available for Non-Tactical Fire Trucks. These contractors typically have multiple product lines. Administrative lead-time averages 2-3 months for procurements by Defense Logistics Agency (DLA). Production lead-time ranges between 7 to 12 months depending on the type of truck.

"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 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	1,842	293	-	73	-	73	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,312.548	38.718	6.500	64.282	-	64.282	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,312.548	38.718	6.500	64.282	-	64.282	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,312.548	38.718	6.500	64.282	-	64.282	-	-	-	-	-	-

(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>)	1,255.455	132.143	-	880.575	-	880.575	-	-	-	-	-	-

Description:

The Family of Heavy Tactical Vehicles (FHTV) is designed for cross-country military missions to transport ammunition, petroleum, oils and lubricants, unit resupply, and other missions throughout the tactical environment to support modern and highly mobile combat units. Systems include the Heavy Expanded Mobility Tactical Truck (HEMTT) and the Palletized Load System (PLS). The HEMTT A4 and PLS A1 incorporate the Long Term Armor Strategy (LTAS) "B-Kit" Ready cab, a modern power train, independent front suspension, Anti-lock Braking System (ABS) and traction control, updated electrical system and climate control. Both trucks utilize the companion PLS-trailer (A1) with Container Transfer Enhancement (CTE), and Enhanced Container Handling Units (E-CHU). The HEMTT Light Equipment Transporter (LET) tractor is the primary recovery vehicle for the Modular Catastrophic Recovery System (MCRS) which is designed to recover catastrophically damaged Stryker's and Mine-Resistant Ambush-Protected (MRAP) vehicles.

D16202: The HEMTT M978A4 model is an 8 wheel drive, 2500 gallon fuel transporter for field refueling of ground vehicles and aircraft, servicing on/off road areas. The C-130 transportable HEMTT is an essential combat enabler present in all brigade Combat Team formations. The current HEMTT A4 model has improved survivability with an integrated underbody A-cab and a scalable B-kit (common to the PLS A1); an improved powertrain, suspension and electrical system and adds an anti-lock braking system, air conditioning and traction control.

D16203: The HEMTT M984A4 Wrecker provides heavy wheeled vehicle recovery crane recovery/tow/maintenance assist up to 16.5 Ton PLS and lighter wheeled vehicles. It's lift and tow system can recover disabled vehicles in two to three minutes. Vehicle is equipped with a material handling crane with 14,000 lbs. lift capacity at 9ft. (6,000 lbs. at 18 ft.); 60,000 lb. recovery winch, and an 8 ft. x 10 ft. cargo bed. The current HEMTT A4 model has improved survivability with an integrated underbody A-cab and a scalable B-kit (common to the PLS A1); an improved powertrain, suspension and electrical system and adds an anti-lock braking system, air conditioning and traction control.

D16204: The HEMTT M985A4 model is an 11 ton capacity, 8 wheel drive cargo truck. The M985 Cargo has an on-board material handling crane with 5,400 lbs. load capacity and is the primary transporter for the Multiple Launch Rocket System (MLRS). The C-130 transportable HEMTT is an essential combat enabler present in all Brigade Combat Team formations. The Current HEMTT A4 model has improved survivability with an integrated underbody A-cab and a scalable B-kit (common to the PLS A1); an improved powertrain, suspension and electrical system and adds an anti-lock braking system, air conditioning and traction control.

D16206: The HEMTT M983A4 model is an 8 wheel drive tractor truck. The M983 LET Tractor performs as the prime mover for tactical semitrailers in forward deployed engineering units to include the M870 series which supports the Hypersonic Missile Program. The tractor is the primary recovery vehicle for the Modular Catastrophic Recovery System (MCRS) which is designed to recover catastrophically damaged Stryker and Mine-Resistant Ambush-Protected (MRAP) vehicles. The C-130 transportable HEMTT is an essential combat enabler present in all Brigade Combat Team formations. The Current HEMTT A4 model

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles		P-1 Line Item Number / Title: 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0604622A
Line Item MDAP/MAIS Code: N/A		
<p>has improved survivability with an integrated underbody A-cab and a scalable B-kit (common to the PLS A1); an improved powertrain, suspension and electrical system and adds an anti-lock braking system, air conditioning and traction control.</p> <p>D16210: The HEMTT M1120A4 Load Handling System (LHS) model is a 13 ton capacity, 8 wheel drive load handling system truck. The HEMTT LHS provides NATO interoperability with standard flatrack and mission modules for delivery of general supplies, equipment and munition by employing the hydraulic lifting system that uses a large hook to lift a flat rack from the ground to the bed of the truck. The system is combatable with the PLS-Trailer capable of a 26,000 lbs. payload. The C-130 transportable HEMTT is an essential combat enabler present in all Brigade Combat Team formations. The current HEMTT A4 model has improved survivability with an integrated underbody A-cab and scalable B-kit (common to the PLS A1); an improved power train, suspension and electrical system and adds an anti-lock braking system, air conditioning and traction control.</p> <p>D16500: The PLS A1 vehicle is a 10x10 multi-drive truck with a 16.5 ton capacity. The PLS A1 incorporates a new cab that is common with the HEMTT A4. In addition, the cab has an integrated floor armor that meets the Long Term Armoring Strategy (LTAS) A-Kit requirements and allows for the LTAS B-Kit armor attachment. The PLS A1 Truck performs line haul, local haul, unit resupply and other missions in the tactical environment to support modern and highly mobile combat units. The PLS A1 Truck is a key enabler for both the Stryker Brigade Combat Team (SBCT) and modular force structure.</p> <p>D08900: The Palletized Load System - Trailer (M1076A1) is used with the M1074, M1075 PLS and M1120 HEMTT. It accommodates a demountable cargo bed capable of hauling up to 16.5 tons of cargo/payload. The M1076A1 trailer is equipped with the Container Transfer Enhancement (CTE) which is used in conjunction with the Enhanced Container Handling Unit (ECHU) that enables the direct trans-load of an 8x8x20ft ISO containers from a truck to trailer without the need for an M1077 flat rack or additional Material Handling Equipment.</p> <p>D08921: The Medium Equipment Trailer (MET) provides critical layered, agile and responsive sustainment capability required for Large Scale Combat Operations (LSCO). The MET supports Multi-Domain Operations (MDO) with the ability to maneuver across strategic distances by providing intermediate weight combat vehicles transportation for a competitive advantage. The MET will be assigned to Heavy Equipment Transporter Systems (HETS) Companies and Composite Truck Company- Heavy (CTC-H) Companies to expeditiously move Combat Tracked Vehicles such as the Bradley Fighting Vehicle, Armored Multi-Purpose Vehicles (AMPV), Paladin and Field Artillery Ammunition Support Vehicles (FAASV) with a threshold of up to 60 tons and an objective to meet up to 70 tons while also obtaining North Atlantic Treaty Organization (NATO) road permits with a 45 ton payload. The MET will also be capable of transporting vehicles at the OCONUS standard minimum bridge and underpass clearance of 157.5 inches (4 meters).</p> <p>D16101: The Enhanced Container Handling Unit (E-CHU) is the latest model that provides the capability to pick-up and transport 20ft International Standards for Organization (ISO) containers without the use of a flatrack. The E-CHU allows the Army to use its Tactical Wheeled Fleet in any number of ways in transporting loads and is common to both the Palletized Load Handling System (PLS) and Heavy Expanded Mobility Tactical Trucks (HEMTT) Load Handling System (LHS) vehicles. The E-CHU allows for storage of the Front Lift Assembly when not in use and can still receive the M1077 flatrack/CROP and is fully operational with the PLS Trailer.</p> <p>D16100: The Container Roll-in/out platform (CROP) is a flatrack suitable for use with the PLS and HEMTT Load Handling System (LHS). It is compatible for transport on the PLS and HEMTT LHS Trucks and PLS Trailer, and capable of transport inside any International Standards for Organization (ISO) ICC Steel, dry cargo container.</p> <p>D12389: The Modular Catastrophic Recovery System (MCRS) is designed to significantly enhance the Commander's ability to recover large wheeled vehicle platforms in severe off-road conditions either in lift/tow or transport mode. MCRS is comprised of the Prime Mover (M983A4 LET), Fifth Wheel Towing Recovery Device (FWTRD), & the Tilt Deck Recovery Trailer (TDRT). Coupled with the Prime Mover, MCRS is capable of recovering all Stryker variants and an estimated 95% of Mine Resistant Ambush Protected (MRAP) vehicles currently in theater.</p> <p>DV0012: The Heavy Equipment Transporter System (HETS) legacy system is comprised of the M1070A1 Tractor and M1000 Trailer and is used to transport, recover, and evacuate a combat loaded M1 Series main battle tank, an M88, or similar heavy loads. The Enhanced Heavy Equipment Transporter System (EHETS) will replace the Heavy Equipment Transporter System (HETS) and consists of an M1300 tractor (M1070A1 modified to reduce and relocate weight to achieve European road permits) and an eight-axle commercially based trailer capable of worldwide transport which is the M1302. The EHETS primary mission is to transport an M1 Abrams series Main Battle Tank (MBT) and other tracked vehicles weighing up to 85T. It is able to self-load/unload disabled vehicular cargo for evacuation purposes. The system will provide line haul, local haul, and maintenance evacuation of heavy tracked vehicles during tactical operations on primary and secondary roads worldwide.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

D16505: The Virtual Clearance Training Suite (VCTS) provides individual and collective training for Counter-Improvised Explosive Device (C-IED) missions to Route Clearance Units in a virtual environment, to include convoy operations and stabilized gunnery. The suite consists of five self-contained, mobile trailers which collectively provide four Buffalo simulators (driver and TC, interrogation arm operator), four Husky simulators, four simulators which can be configured as a MMPV Type II or a Panther (Driver, TC, and Gunner), and two TALON robot simulators, as well as classroom and After Action Review space. Additionally, the VCTS can be configured to train crews individually or jointly in a variety of simulated environments.

The Army Acquisition Objective (AAO) for PLS Trailer A0 (PLST-D08900) is 13,650, PLS Trailer A1 (PLST-D08900) is 6,039, MET (MET-D08921) is 1,270 and EHETS Trailer (HETS-DV0012) is 636.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	Quantity	293	-	27	-	27	-	-	-	-
	Total Obligation Authority	38.718	6.500	23.104	-	23.104	-	-	-	-
ANG	Quantity	-	-	23	-	23	-	-	-	-
	Total Obligation Authority	-	-	20.589	-	20.589	-	-	-	-
AR	Quantity	-	-	23	-	23	-	-	-	-
	Total Obligation Authority	-	-	20.589	-	20.589	-	-	-	-
Total:	Quantity	293	-	73	-	73	-	-	-	-
Secondary Distribution	Total Obligation Authority	38.718	6.500	64.282	-	64.282	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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	D08900 / TRAILER,PLS,8 X 20	P-5a			1,672 / 1,001.418	292 / 28.518	- / -	- / -	- / -	- / -
P-5	D16505 / Driver Training Simulator and Related Devices	P-5a	A		- / 0.530	1 / 10.200	- / -	- / -	- / -	- / -
P-5	DV0012 / HEAVY EQUIPMENT TRANSPORTER SYS	P-5a, P-21	A		170 / 1,310.600	- / -	- / 6.500	73 / 64.282	- / -	73 / 64.282
P-40	Total Gross/Weapon System Cost				1,842 / 2,312.548	293 / 38.718	- / 6.500	73 / 64.282	- / -	73 / 64.282

*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:
 DV0012: FY 2022 Base procurement dollars in the amount of \$56.551 million will procure 64 Enhanced Heavy Equipment Transporter System (EHETS) Trailers. The Army lacks the ability to move overweight and oversized combat platforms. The EHETS will be capable of safely transporting current and future models of the heaviest tracked vehicles located within an ABCT in combat configuration with all current and projected mission attachments and survivability upgrades. EHETS trailers will fill Active Army components requirements in support of Stryker and Modular Brigade Combat Teams (BCT) activations, Patriot Units, and Combat Engineers. The EHETS program is a critical enabler to support the Army's modernization priorities in support of the National Defense Strategy through movement of Soldiers, air defense & missile defenses, sensors, network, fuel, ammunition, etc. Funds are required to fill readiness gaps to address both capacity and capability holes which must be filled to carry out the National Defense Strategy. Contractor Logistics Support is required to support the USAREUR HETS Operational Needs Statement (ONS) trailers already acquired and fielded while the logistics products are developed to ultimately support the trailers organically.

DV0012: FY 2022 Base procurement dollars in the amount of \$1.280 million will procure 2 Medium Equipment Trailers (MET) as production representative test articles. The MET production representative test articles will be used to support Developmental Testing at Aberdeen Test Center (ATC). It is critical that testing be completed on time as the results of testing will be used to support MET Full Material Release (FMR) and Full Rate Production Decision Review (FRPDR). The timing of these events directly relate to meeting the Aim Point Force Structure initiative to ultimately build Multi-Domain Operations (MDO) capability for the MET.

DV0012: FY2022 base procurement dollars of \$6.451 million will procure 7 Enhanced Heavy Equipment Transporter System (EHETS) Trailers to support the Enduring Requirement for the Operation European Deterrence Initiative. The EHETS trailer supports the National Defense Strategy for modernization with an increased payload that provides the ability for transport, recovery and evacuation of heavy, oversized combat equipment such as the M1 Abrams series and M88 recovery vehicle to support flexible theater postures and enhance the ability to compete by providing the transportability required for freedom of maneuver of the largest track combat weapon systems.

Matrix Functional Support is required to address/augment Engineering and Logistic functions, capabilities and gaps to supplement core employee competencies. System Engineering oversight and multiple functions of Logistics support such as management, fielding, tracking and documentation is required during the acquisition process. These funds also support travel requirements for this program.

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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)	Item Number / Title [DODIC]: D08900 / TRAILER,PLS,8 X 20

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity <i>(Units in Each)</i>	1,672	292	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	1,001.418	28.518	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	1,001.418	28.518	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	1,001.418	28.518	-	-	-	-

(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>	598.934	97.664	-	-	-	-

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
Trailers, PLS 8 X 20 ⁽¹⁾	356.431	2,196	782.722	80.750	292	23.579	-	-	-	-	-	-	-	-	-	-	-	-
FRET	-	-	45.600	-	-	3.005	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	25.021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Recurring Engineering (STS)	-	-	23.274	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Matrix Functional Support	-	-	32.620	-	-	1.045	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	48.872	-	-	0.264	-	-	-	-	-	-	-	-	-	-	-	-
First Destination Transportation	-	-	43.309	-	-	0.625	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>1,001.418</i>	-	-	<i>28.518</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	<i>1,001.418</i>	-	-	<i>28.518</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	598.934	1,672	1,001.418	97.664	292	28.518	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:

*FY 2022 is the first year the Container Transfer Enhancement (CTE) will be included during production of PLS Trailers (D08900) causing an increase to the unit price. In previous years, CTE was funded from DA0924 as a separate modification to the PLS Trailers.

*The PLS trailer (PLST) is essential to dispersed tactical operations and when coupled with the Container Transfer Enhancement (CTE) for an upgraded A1 model, it increases the Transportation Company's ability to distribute fuel and ammunition on the dispersed battlefield. The CTE is an enabler that is installed on the PLST for an upgraded A1 model and is essential to dispersed tactical operations. It fills tactical mobility gaps identified in Large Scale Combat Operations (LSCO).

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)	Item Number / Title [DODIC]: D08900 / TRAILER,PLS,8 X 20
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	292	-	-	-	-
	Total Obligation Authority	28.518	-	-	-	-
Total:	Quantity	292	-	-	-	-
Secondary Distribution	Total Obligation Authority	28.518	-	-	-	-

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2022 Army	Date: May 2021
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)	Item Number / Title [DODIC]: D08900 / TRAILER,PLS,8 X 20
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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
Trailers, PLS 8 X 20		2020	Oshkosh Defense, LLC / Wisconsin	SS / FPIF	TACOM, Warren, MI	Mar 2020	Nov 2020	292	80.750	Y		

Remarks:
 *FY 2022 is the first year the Container Transfer Enhancement (CTE) will be included during production of PLS Trailers (D08900) causing an increase to the unit price. In previous years, CTE was funded from DA0924 as a separate modification to the PLS Trailers.

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)
		Item Number / Title [DODIC]: D16505 / Driver Training Simulator and Related Devices

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)	-	1	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.530	10.200	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	0.530	10.200	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.530	10.200	-	-	-	-

(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)	-	10,200.000	-	-	-	-

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
Virtual Clearance Training Suite (VCTS) ^(†)	-	-	0.530	10,000.000	1	10.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	0.530	-	-	10.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	0.530	-	-	10.000	-	-	-	-	-	-	-	-	-	-	-	-
Support - Fielding Cost																		
Fielding	-	-	-	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Fielding Cost</i>	-	-	-	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	0.530	10,200.000	1	10.200	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:

Description:

The Virtual Clearance Training Suite (VCTS) provides individual and collective training for Counter-Improvised Explosive Device (C-IED) missions to Route Clearance Units in a virtual environment, to include convoy operations and stabilized gunnery. The suite consists of five self-contained, mobile trailers which collectively provide four Buffalo simulators (driver and TC, interrogation arm operator), four Husky simulators, four simulators which can be configured as a MMPV Type II or a Panther (Driver, TC, and Gunner), and two TALON robot simulators, as well as classroom and After Action Review space. Additionally, the VCTS can be configured to train crews individually or jointly in a variety of simulated environments.

Justification:

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)	Item Number / Title [DODIC]: D16505 / Driver Training Simulator and Related Devices

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

FY 2020 OCO procurement dollars in the amount of \$10.200 million supports a quantity of 1 Virtual Clearance Training Suite (VCTS) to maintain proficiency (T1 Level) of Route Clearance and EOD Units deployed in support of Operation Spartan Shield (OSS) and Operation Inherent Resolve (OIR) located in Camp Buehring (Kuwait). The VCTS will also be used for partnered Counter-IED engagements in an effort to increase both capability and interoperability of partnered forces.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	1	-	-	-	-
	Total Obligation Authority	10.200	-	-	-	-
Total:	Quantity	1	-	-	-	-
Secondary Distribution	Total Obligation Authority	10.200	-	-	-	-

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2022 Army							Date: May 2021					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)				Item Number / Title [DODIC]: D16505 / Driver Training Simulator and Related Devices					
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
Virtual Clearance Training Suite (VCTS)		2020	TBD / TBD	C / FFP	PEO STRI, Orlando FL	Jan 2020	Jul 2021	1	10,000.000	Y		

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)	Item Number / Title [DODIC]: DV0012 / HEAVY EQUIPMENT TRANSPORTER SYS

ID Code (A=Service Ready, B=Not Service Ready) : A				MDAP/MAIS Code:			
Resource Summary		Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)		170	-	-	73	-	73
Gross/Weapon System Cost (\$ in Millions)		1,310.600	-	6.500	64.282	-	64.282
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		1,310.600	-	6.500	64.282	-	64.282
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)		1,310.600	-	6.500	64.282	-	64.282
<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)		7,709.412	-	-	880.575	-	880.575

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
EHETS Trailer ^(†)	836.910	1,547	1,294.699	-	-	-	-	-	-	645.732	71	45.847	-	-	-	645.732	71	45.847
Medium Equipment Trailer (MET) ^(†)	-	-	-	-	-	-	-	-	-	640.000	2	1.280	-	-	-	640.000	2	1.280
FRET	-	-	-	-	-	-	-	-	-	-	-	5.655	-	-	-	-	-	5.655
Recurring Engineering (STS)	-	-	2.919	-	-	-	-	-	-	-	-	1.440	-	-	-	-	-	1.440
Engineering Changes (ECP)	-	-	0.628	-	-	-	-	-	-	-	-	1.443	-	-	-	-	-	1.443
Special Tools / Support Equipment	-	-	0.144	-	-	-	-	-	-	-	-	0.387	-	-	-	-	-	0.387
System Test and Evaluation	-	-	-	-	-	-	-	-	-	-	-	0.756	-	-	-	-	-	0.756
Matrix Functional Support	-	-	5.182	-	-	-	-	-	1.430	-	-	1.791	-	-	-	-	-	1.791
Documentation	-	-	0.166	-	-	-	-	-	3.353	-	-	2.215	-	-	-	-	-	2.215
Contractor Logistic Support (CLS)	-	-	-	-	-	-	-	-	1.717	-	-	1.866	-	-	-	-	-	1.866
Fielding	-	-	2.942	-	-	-	-	-	-	-	-	0.765	-	-	-	-	-	0.765
First Destination Transportation	-	-	3.919	-	-	-	-	-	-	-	-	0.837	-	-	-	-	-	0.837
Subtotal: Recurring Cost	-	-	1,310.599	-	-	-	-	-	6.500	-	-	64.282	-	-	-	-	-	64.282

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)	Item Number / Title [DODIC]: DV0012 / HEAVY EQUIPMENT TRANSPORTER 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 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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: Flyaway Cost</i>	-	-	1,310.599	-	-	-	-	-	6.500	-	-	64.282	-	-	-	-	-	64.282
Gross/Weapon System Cost	7,709.412	170	1,310.600	-	-	-	-	-	6.500	880.575	73	64.282	-	-	-	880.575	73	64.282

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	-	-	27	-	27
	Total Obligation Authority	-	6.500	23.104	-	23.104
ANG	Quantity	-	-	23	-	23
	Total Obligation Authority	-	-	20.589	-	20.589
AR	Quantity	-	-	23	-	23
	Total Obligation Authority	-	-	20.589	-	20.589
Total: Secondary Distribution	Quantity	-	-	73	-	73
	Total Obligation Authority	-	6.500	64.282	-	64.282

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

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army								Date: May 2021				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)					Item Number / Title [DODIC]: DV0012 / HEAVY EQUIPMENT TRANSPORTER SYS				
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
EHETS Trailer ^(†)		2022	TBD / TBD	C / TBD	TACOM, Warren, MI	Jun 2022	Feb 2023	71	645.732	N		
Medium Equipment Trailer (MET)		2022	TBD / TBD	C / TBD	TACOM, Warren, MI	Aug 2022	Jan 2023	2	640.000	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2022 Army															Date: May 2021														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)										Item Number / Title [DODIC]: DV0012 / HEAVY EQUIPMENT TRANSPORTER SYS									

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022														Fiscal Year 2023														B A L A N C E
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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					

EHETS Trailer

Prior Years Deliveries: 1547

1	2022	ARMY		71		0	71								A	-	-	-	-	-	-	-	-	6	6	6	6	6	6	6	6	6	23
O C C O	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										

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2022 Army															Date: May 2021														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)										Item Number / Title [DODIC]: DV0012 / HEAVY EQUIPMENT TRANSPORTER SYS									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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

EHETS Trailer

Prior Years Deliveries: 1547

1	2022	ARMY		71	48	23	6	6	6	5																										0
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							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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UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV)
		Item Number / Title [DODIC]: DV0012 / HEAVY EQUIPMENT TRANSPORTER SYS

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2022	1-8-5 For 2022	MAX For 2022	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	TBD - TBD	1	6	12	0	9	8	17	0	9	8	17

Remarks:
Currently no contractor has been selected. The FY 2022 Production Rates are based on market research. These figures will be updated once a contractor has been selected.

"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).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles

P-1 Line Item Number / Title:
8331D16506 / PLS ESP

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	105	42	53	18	-	18	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	796.981	25.543	33.146	16.943	-	16.943	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	796.981	25.543	33.146	16.943	-	16.943	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	796.981	25.543	33.146	16.943	-	16.943	-	-	-	-	-	-

(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>)	7,590.295	608.167	625.396	941.278	-	941.278	-	-	-	-	-	-

Description:

The Palletized Load System (PLS) is a 16.5 ton, 10 wheel drive truck designed for cross-country movement of combat configured loads of ammunition and other classes of supply. The PLS Extended Service Program (ESP) is a department of the Army supported Recapitalization (RECAP) Program critical to increasing the 16.5 ton payload, 10 wheel drive, armor ready PLS fleet density in the field. The PLS A1 truck contains capability for onboard Load Handling System, 16.5 ton PLS Trailer, M3 Container Roll-in/Out Platforms (CROPs), M1077 Flatracks, M1 Flatracks and the Enhanced Container Handling Unit (E-CHU) for transporting 20' International Organization for Standardization (ISO) containers in armored or unarmored configurations. The PLS ESP will remanufacture and upgrade older PLS A0s to the A1 configuration. The PLS A1 has improved survivability with an integrated underbody A-cab and a scalable B-kit (common to the HEMTT A4), an improved powertrain, suspension and electrical system and adds an anti-lock braking system, air conditioning and traction control. This program produces a like-new vehicle with a full new vehicle warranty. The PLSA1 tactical vehicle can be equipped with a By-Wire Active Safety kit which provides the foundation for future automated capabilities such as Leader Follower and Automated Convoy Operations (ACO). The kit integrates active safety sensors on the Palletized Load System (PLS) A1 for collision avoidance and enables vehicle 360 degree situational awareness in order to enhance readiness by mitigating accidents. A PLSA1 equipped with leader follower will have the potential of removing the Soldier out of the cab, effectively taking Soldiers out of harm's way.

The Approved Acquisition Objective for PLS trucks is 7,582.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	Quantity	42	53	18	-	18	-	-	-	-
	Total Obligation Authority	25.543	33.146	16.943	-	16.943	-	-	-	-
Total: Secondary Distribution	Quantity	42	53	18	-	18	-	-	-	-
	Total Obligation Authority	25.543	33.146	16.943	-	16.943	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 8331D16506 / PLS ESP

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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	D16506 / PLS ESP	P-5a, P-21	A		105 / 796.981	42 / 25.543	53 / 33.146	18 / 16.943	- / -	18 / 16.943
P-40	Total Gross/Weapon System Cost				105 / 796.981	42 / 25.543	53 / 33.146	18 / 16.943	- / -	18 / 16.943

*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 2022 Base procurement dollars in the amount of \$16.943 million supports recapitalization of a quantity of 18 Palletized Load System (PLS) trucks equipped with a By-Wire Active Safety kit to support Leader Follower for Base and/or PDI requirements. The PLSA1 is the initial tactical vehicle used to support By-Wire Active Safety which provides the foundation for autonomous capabilities such as Leader/Follower taking Soldiers out of harm's way. The PLS Extended Service Program (ESP) remanufactures and upgrades older PLS A0 vehicles to the current armor capable A1 configuration. The PLS vehicles are in need of recapitalization due to the age of the fleet as many are beyond normal repair guidelines. Maintenance Expenditure Limit (MEL) component part obsolescence is a concern as well. The PLS program is a critical enabler to support the Army's modernization priorities in support of the National Defense Strategy through movement of Soldiers, air defense & missile defenses, sensors, network, fuel, ammunition, etc. Funds are required to fill readiness gaps to address both capacity and capability holes which must be filled to carry out the National Defense Strategy.

Matrix Functional Support is required to address/augment Engineering and Logistic functions, capabilities and gaps to supplement core employee competencies. System Engineering oversight and multiple functions of Logistics support such as management, fielding, tracking and documentation is required during the acquisition process.

Data cost in FY2022 is to develop and update the logistics product to support the BWASK system organically.

The Gross Weapon System Unit Cost increase from FY2021 to FY2022 is due to the inclusion of By-Wire Active Safety during the recapitalization process to the latest M1075A1 configuration in support of Leader/Follower. FY2022 is also the first year that FRET is required to be paid on the M1075A1.

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 2022 Army											Date: May 2021				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10						P-1 Line Item Number / Title: 8331D16506 / PLS ESP					Item Number / Title [DODIC]: D16506 / PLS ESP				
ID Code (A=Service Ready, B=Not Service Ready) : A											MDAP/MAIS Code:				
Resource Summary				Prior Years		FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 Total	
Procurement Quantity (Units in Each)				105		42		53		18		-		18	
Gross/Weapon System Cost (\$ in Millions)				796.981		25.543		33.146		16.943		-		16.943	
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-	
Net Procurement (P-1) (\$ in Millions)				796.981		25.543		33.146		16.943		-		16.943	
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-	
Total Obligation Authority (\$ in Millions)				796.981		25.543		33.146		16.943		-		16.943	
<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)				7,590.295		608.167		625.396		941.278		-		941.278	

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
PLS M1075A1 with By-Wire Active Safety kit (BWASK) ^(†)	-	-	-	-	-	-	-	-	-	634.944	18	11.429	-	-	-	634.944	18	11.429
PLS M1075A1 Truck (ESP) ^(†)	563.230	684	385.249	495.238	42	20.800	509.283	53	26.992	-	-	-	-	-	-	-	-	-
PLS M1074A1 Truck (ESP)	752.962	288	216.853	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRET	-	-	-	-	-	-	-	-	-	-	-	1.371	-	-	-	-	-	1.371
Recurring Engineering (STS)	-	-	34.812	-	-	-	-	-	0.567	-	-	0.246	-	-	-	-	-	0.246
Engineering Changes	-	-	43.355	-	-	0.120	-	-	0.595	-	-	0.343	-	-	-	-	-	0.343
Data	-	-	-	-	-	-	-	-	-	-	-	0.692	-	-	-	-	-	0.692
Matrix Functional Support	-	-	31.914	-	-	1.856	-	-	2.009	-	-	2.174	-	-	-	-	-	2.174
Special Tools	-	-	-	-	-	0.064	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	52.350	-	-	0.747	-	-	1.453	-	-	0.440	-	-	-	-	-	0.440
First Destination Transportation	-	-	32.448	-	-	0.659	-	-	1.530	-	-	0.248	-	-	-	-	-	0.248
Congressional Recission	-	-	-	-	-	1.297	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	796.981	-	-	25.543	-	-	33.146	-	-	16.943	-	-	-	-	-	16.943
Subtotal: Flyaway Cost	-	-	796.981	-	-	25.543	-	-	33.146	-	-	16.943	-	-	-	-	-	16.943

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Exhibit P-5, Cost Analysis: PB 2022 Army												Date: May 2021					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10						P-1 Line Item Number / Title: 8331D16506 / PLS ESP						Item Number / Title [DODIC]: D16506 / PLS ESP					
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 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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)
Gross/Weapon System Cost	7,590.295	105	796.981	608.167	42	25.543	625.396	53	33.146	941.278	18	16.943	-	-	-	941.278	18	16.943

Remarks:
FY2022 is the first year By Wire Active Safety Kit (BWASK) will be included during the production of PLS ESP (D16506) causing an increase to the unit price.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	42	53	18	-	18
	Total Obligation Authority	25.543	33.146	16.943	-	16.943
Total:	Quantity	42	53	18	-	18
Secondary Distribution	Total Obligation Authority	25.543	33.146	16.943	-	16.943

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

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8331D16506 / PLS ESP	Item Number / Title [DODIC]: D16506 / PLS ESP
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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
PLS M1075A1 with By-Wire Active Safety kit (BWASK) ^(†)		2022	Oshkosh Defense - LLC / Oshkosh, WI	SS / FFP	TACOM, Warren, MI	Jun 2022	Feb 2023	18	634.944	N		
PLS M1075A1 Truck (ESP)		2020	Oshkosh Defense - LLC / Oshkosh, WI	SS / FPIF	TACOM, Warren, MI	Mar 2020	Nov 2020	42	495.238	N		
PLS M1075A1 Truck (ESP)		2021	Oshkosh Defense - LLC / Oshkosh, WI	SS / FFP	TACOM, Warren, MI	Mar 2021	Nov 2021	53	509.283	N		

^(†) indicates the presence of a P-21

Remarks:
FY2022 is the first year By Wire Active Safety Kit (BWASK) will be included during the production of PLS ESP (D16506) causing an increase to the unit price.

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Exhibit P-21, Production Schedule: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8331D16506 / PLS ESP	Item Number / Title [DODIC]: D16506 / PLS ESP
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2020												Fiscal Year 2021												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020												Calendar Year 2021												
							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
PLS M1075A1 with By-Wire Active Safety kit (BWASK)																															
	1	2022	ARMY	18	0	18																							18		
							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 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8331D16506 / PLS ESP	Item Number / Title [DODIC]: D16506 / PLS ESP
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
PLS M1075A1 with By-Wire Active Safety kit (BWASK)																															
1		2022	ARMY	18	0	18																									

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Exhibit P-21, Production Schedule: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8331D16506 / PLS ESP	Item Number / Title [DODIC]: D16506 / PLS ESP
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024														Fiscal Year 2025														BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							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					
PLS M1075A1 with By-Wire Active Safety kit (BWASK)																																			
	1	2022	ARMY	18	10	8	2	2	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 2022 Army	Date: May 2021
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8331D16506 / PLS ESP	Item Number / Title [DODIC]: D16506 / PLS ESP
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2022	1-8-5 For 2022	MAX For 2022	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	Oshkosh Defense - LLC - Oshkosh, WI	20	924	2,520	0	6	8	14	0	6	8	14

"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 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles

P-1 Line Item Number / Title:
 8948DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	525	181	158	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,146.846	95.683	92.619	-	-	-	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	3,146.846	95.683	92.619	-	-	-	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3,146.846	95.683	92.619	-	-	-	-	-	-	-	-	-

(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>)	5,993.992	528.635	586.196	-	-	-	-	-	-	-	-	-

Description:

The Heavy Expanded Mobility Tactical Truck Extended Service Program (HEMTT-ESP) is a Recapitalization program critical to upgrading the 11 Ton payload, 8 wheel drive HEMTT to include armor ready capability as well as modernizing the aging fleet. The HEMTT-ESP remanufactures and upgrades 20+ year old HEMTT A0 vehicles and HEMTT A2 vehicles to the current A4 configuration. The HEMTT A4 has improved survivability with integrated under body A-Cab and a scalable B-Kit (common to the Palletized Load System (PLSA1)); a modern powertrain; upgraded suspension and electrical system and incorporates an anti-lock brake system, air conditioning and traction control as standard on the platform. The HEMTT fleet is an essential combat enabler in all Brigade Combat Team (BCT) formations. This program produces a like-new vehicle with a full new vehicle warranty.

Approved Acquisition Objective (AAO) for HEMTT ESP is incorporated with HEMTT new at 23,318.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	Quantity	181	66	-	-	-	-	-	-	-
	Total Obligation Authority	95.683	39.064	-	-	-	-	-	-	-
ANG	Quantity	-	59	-	-	-	-	-	-	-
	Total Obligation Authority	-	34.413	-	-	-	-	-	-	-
AR	Quantity	-	33	-	-	-	-	-	-	-
	Total Obligation Authority	-	19.142	-	-	-	-	-	-	-
Total:	Quantity	181	158	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	95.683	92.619	-	-	-	-	-	-	-

Justification:

DV0021 has no FY2022 funding request.

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles		P-1 Line Item Number / Title: 8948DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0604622A
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 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles

P-1 Line Item Number / Title:
 8953DV0230 / HMMWV Recapitalization Program

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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	255	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,595.563	36.734	-	-	-	-	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	3,595.563	36.734	-	-	-	-	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3,595.563	36.734	-	-	-	-	-	-	-	-	-	-

(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>)	-	144.055	-	-	-	-	-	-	-	-	-	-

Description:

The Active Army, Army National Guard (ARNG) and US Army Reserves (USAR) require modernization of the current fleet of Up-Armored HMMWV (UAH) and Non-Armored High Mobility Multipurpose Wheeled Vehicle (NAH) as the fleet approaches its useful life which includes previous Recapitalization programs. The fleet requires restoration of fleet age and obsolescence mitigation through major component replacement, and also requires application of new technologies and kits to ensure safe and suitable performance. HMMWVs can be restored to near zero time/zero miles utilizing multiple situationally dependent approaches. This can be accomplished through Recap efforts, Conversion efforts, and HMMWV new production. The Recap effort can include replacement of the entire chassis, or power pack replacement, Anti-lock Brake System/ Electronic Stability Control (ABS/ESC) integration, low risk technology inserts, address obsolescence concerns and Inspect and Repair Only As Necessary (IROAN). A new production program procures new M1152A1/M1165A1 armor capable HMMWVs to modernize Modification Table of Organization and Equipment (MTOE) units. This allows for the divestiture of the oldest non-armored HMMWVs that currently poses readiness challenges and cannot be up-armored. This aligns with the Army's current modernization path while also addressing identified model mix gaps.

The Active Army, ARNG, and USAR require ABS/ESC application to fielded systems that were not addressed during new production or Recapitalization. Fatalities and serious injuries resulting from HMMWV roll over and loss of control incidents continues to be a problem, and a retrofit kit has been developed to upgrade the fielded fleet. Installation of ABS/ESC retrofit kits will help mitigate this problem to fill the near term gap, thereby maximizing safe and suitable HMMWV performance throughout the fleet.

Army Acquisition Objective (AAO): Following the JLTV APO of 49,099, the Army will have an enduring requirement of 54,810 HMMWVs.

Secondary Distribution	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army									
	Quantity	255	-	-	-	-	-	-	-
	Total Obligation Authority	36.734	-	-	-	-	-	-	-
Total:	Quantity	255	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	36.734	-	-	-	-	-	-	-

Justification:

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles		P-1 Line Item Number / Title: 8953DV0230 / HMMWV Recapitalization Program
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		
DV0230 has no FY2022 funding request.		
<p>In accordance with the Consolidated Appropriations Act, 2018, the Committee directs that installation of ABS on all HMMWVs shall be performed during the HMMWV new production process or the HMMWV modernization process, when the HMMWV produced is new, or returned to a zero-hour, zero-mile, like-new condition. There are also other approaches for applying ABS/ESC as well. In accordance with the FY18 National Defense Authorization Act, the Army Modernization activities should mitigate the risk of rollovers and loss of control accidents by supporting ABS/ESC retrofit kit installations.</p> <p>In accordance with Section 1815 of the FY08 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>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles

P-1 Line Item Number / Title:
8980D04003 / Tactical Wheeled Vehicle Protection Kits

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	1,848	1,308	31	217	-	217	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	770.449	85.113	63.563	17.957	-	17.957	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	770.449	85.113	63.563	17.957	-	17.957	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	770.449	85.113	63.563	17.957	-	17.957	-	-	-	-	-	-

(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>)	416.910	65.071	2,050.419	82.751	-	82.751	-	-	-	-	-	-

Description:

The Medium Tactical Vehicles (MTV) Protection Kit Suite includes Long Term Armor Strategy (LTAS) FMTV (Family of Medium Tactical Vehicles) A1P2 B-kits (Side Armor), FMTV A1P2/A2 C-kits (Underbody Armor Kit (UAK)), and a Fuel Tank Fire Suppression (FTFS) kit. The B-kit consists of applique armor panels that are mounted to the FMTV A-Cab exterior to further improve occupant survivability from attack. The C-kit provides enhanced protection against underbody blast threats and consists of an underbody deflector plate, underbody armor panels, and energy attenuating seats and floor mats. The FTFS is a ballistic fire protection system designed to cover the fuel tank on the LTAS FMTV. The MTV Protection Kit Suite provides occupant protection through enhanced tactical vehicle ballistic protection. ISO containers are inclusive to facilitate long term storage. The Army Procurement Objective (APO) for Medium Tactical Vehicles (MTV) Protection Kits is 18,215 each B-kit and C-kit.

The Heavy Tactical Vehicle (HTV) Protection Kit program provides Armor Survivability Suite protection in alignment with the Global Operating Model of combat-credible capabilities that enhance our ability to compete during conflict. The Armor Survivability Suite provides occupant protection through enhanced tactical vehicle ballistic fortification. HTV Protection Kits include Long Term Armor Strategy B-Kits (top and side armor for truck cabs), C-Kits (underbody armor for truck cabs), Fuel Tank Fire Suppression (FTFS), Fuel Tank Self Sealant (FTSS), and Tank Armor Module (TAM) to enhance survivability. The Armor Survivability Suite components are mounted to an A-Kit Heavy Tactical Vehicle; which includes Heavy Expanded Mobility Tactical Truck (HEMTT), Palletized Load System (PLS), and Line Haul configurations to address numerous threats that the Department of Defense has identified. The Heavy Equipment Transporter System (HETS) Urban Survivability Kit (HUSK) is a complete, fully functional replacement cab which mounts to the legacy HETS M1070A1 and Enhanced Heavy Equipment Transporter System (EHETS) M1300 Tractors in place of the unarmored base cab. The HUSK cab provides MRAP CPD 1.1 level protection to meet both HETS and EHETS mission demands. The HET M1070A1 and EHETS M1300 Tractors, equipped with a HUSK cab, will be capable of transporting heavy equipment in support of Large Scale Ground Combat Operations (LSCO). The TWV Protection Kit program is a critical enabler to support the Army's modernization priorities in support of the National Defense Strategy by providing protection against lethal combat formations during movement of Soldiers. The Army Procurement Objective (APO) for Heavy Tactical Vehicles (HTV) Protection Kits is 12,388, FTFS Kits is 9,168, and HUSK is 469.

Protection kits were previously part of D15500 (Family of Medium Tactical Vehicles) and DA0500 (Family of Heavy Tactical Vehicles).

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	Quantity	1,308	31	217	-	217	-	-	-	-
	Total Obligation Authority	85.113	63.563	17.957	-	17.957	-	-	-	-
Total:	Quantity	1,308	31	217	-	217	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles	P-1 Line Item Number / Title: 8980D04003 / Tactical Wheeled Vehicle Protection Kits
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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: 0604622A
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Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Secondary Distribution	Total Obligation Authority	85.113	63.563	17.957	-	17.957	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 8980D04003 / Tactical Wheeled Vehicle Protection Kits

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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	D04016 / MEDIUM TACTICAL VEHICLE PROTECTION KITS	P-5a, P-21	A		1,834 / 301.183	1,284 / 60.531	- / 44.593	208 / 11.709	- / -	208 / 11.709
P-5	D04017 / HEAVY TACTICAL VEHICLE PROTECTION KITS	P-5a	A		14 / 469.266	24 / 24.582	31 / 18.970	9 / 6.248	- / -	9 / 6.248
P-40	Total Gross/Weapon System Cost				1,848 / 770.449	1,308 / 85.113	31 / 63.563	217 / 17.957	- / -	217 / 17.957

*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 2022 Medium Tactical Vehicle (MTV) Protection Kits Base procurement dollars in the amount of \$11.709 million procures 208 each FMTV A1P2 C-Kits (UAK) to support the Enduring Requirement for the European Deterrence Initiative. The Base EDI funding aligns with the Combatant Command (COCOM) requirement to deter potential adversaries and ensures that Active Army units can provide pre-positioned equipment sets. This procurement will help achieve the Army's Tactical Wheeled Vehicle protection objectives and bring Medium Tactical Vehicle (MTV) closer to the Army Tactical Wheeled Vehicle (TWV) strategy of 30% B-kits (Side Armor Kits) and C-kits (UAK) on hand, and gives the Army greater flexibility to react to a contingency with the knowledge that Soldiers will have the best protection available.

FY 2022 Heavy Tactical Vehicle (HTV) base procurement dollars of \$4.874 million will procure 9 each Heavy Equipment Transporter System (HETS) Urban Survivability Kits (HUSK) to support the Enduring Requirement for the European Deterrence Initiative. This procurement supports the Organic Industrial Base (OIB) with work to be performed at Rock Island Arsenal (RIA), including purchase of long lead material and subsequent production efforts. The HUSK is the armored replacement cab for the HETS M1070A1 and Enhanced Heavy Equipment Transporter System (EHETS) M1300 Tractors that has an increased payload to provide the ability for the transport, recovery, and evacuation of the heaviest, oversized combat equipment such as the M1 Abrams series and M88 recovery vehicle to support flexible theater postures and enhance the ability to compete and provide freedom of maneuver during conflict. This program supports the National Defense Strategy with Dynamic Force Employment to prioritize maintaining the capacity and capabilities for major combat by providing Soldier protection to tactical vehicles that are an essential combat enabler in all Brigade Combat Team (BCT) formations. Protection kits enhance crew survivability during Multi Domain Operations (MDO) and Large Scale Combat Operations (LSCO) by providing Mine Resistant, Ambush Protected (MRAP) level protection for Heavy Tactical Wheeled Vehicles. This procurement will bring HTV closer to the Army Tactical Wheeled Vehicle (TWV) strategy of 30% armor kits on hand and gives the Army greater flexibility to react to a contingency with the knowledge that Soldiers will have the best protection available.

FY 2022 Heavy Tactical Vehicle (HTV) Protection Kits base procurement dollars of \$1.374 million will fund necessary Protection Kit program activities to support the HUSK buy along with continued support of the armor program. Matrix Functional Support is required to address/augment Engineering and Logistic functions, capabilities and gaps to supplement core employee competencies. System Engineering oversight and multiple functions of Logistics support; such as management, fielding, tracking, and documentation is required during the acquisition process. This program supports the National Defense Strategy with Dynamic Force Employment to prioritize maintaining the capacity and capabilities for major combat by providing Soldier protection to tactical vehicles that are an essential combat enabler in all Brigade Combat Team (BCT) formations. Add on Armor (AoA) protection kits enhance crew survivability during Multi Domain Operations (MDO) and Large Scale Combat Operations (LSCO) by providing Mine Resistant, Ambush Protected (MRAP) level protection for Heavy Tactical Wheeled Vehicles. The HUSK is the armored replacement cab for the HETS M1070A1 and Enhanced Heavy Equipment Transporter System (EHETS) M1300 Tractors that has an increased payload to provide the ability for the transport, recovery, and evacuation of the heaviest, oversized combat equipment such as the M1 Abrams series and M88 recovery vehicle to support flexible theater postures and enhance the ability to compete and provide freedom of maneuver during conflict. This procurement will bring HTV closer to the Army Tactical Wheeled Vehicle (TWV) strategy of 30% armor kits on hand and gives the Army greater flexibility to react to a contingency with the knowledge that Soldiers will have the best protection available.

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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 8980D04003 / Tactical Wheeled Vehicle Protection Kits
		Item Number / Title [DODIC]: D04016 / MEDIUM TACTICAL VEHICLE PROTECTION KITS

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)	1,834	1,284	-	208	-	208
Gross/Weapon System Cost (\$ in Millions)	301.183	60.531	44.593	11.709	-	11.709
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	301.183	60.531	44.593	11.709	-	11.709
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	301.183	60.531	44.593	11.709	-	11.709

(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)	164.222	47.143	-	56.293	-	56.293

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
FMTV A1P2 B-Kits (Side Armor) ^(†)	153.946	1,838	282.953	-	-	-	35.093	108	3.790	-	-	-	-	-	-	-	-	-
FMTV A1P2 C-kits (Underbody Armor Kit) ^(†)	-	-	-	51.753	944	48.855	69.522	452	31.424	53.471	208	11.122	-	-	-	53.471	208	11.122
FMTV A2 C-kits (Underbody Armor Kit) ^(†)	-	-	-	32.232	340	10.959	34.759	212	7.369	-	-	-	-	-	-	-	-	-
Transportation	-	-	4.059	-	-	0.717	-	-	0.732	-	-	0.253	-	-	-	-	-	0.253
Engineering Changes	-	-	5.556	-	-	-	-	-	1.278	-	-	0.334	-	-	-	-	-	0.334
Testing	-	-	0.842	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	1.052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quality Assurance	-	-	1.052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PM Support	-	-	1.562	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ISO Containers	-	-	1.108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Load ISO Containers	-	-	2.998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	301.182	-	-	60.531	-	-	44.593	-	-	11.709	-	-	-	-	-	11.709
<i>Subtotal: Flyaway Cost</i>	-	-	301.182	-	-	60.531	-	-	44.593	-	-	11.709	-	-	-	-	-	11.709
Gross/Weapon System Cost	164.222	1,834	301.183	47.143	1,284	60.531	-	-	44.593	56.293	208	11.709	-	-	-	56.293	208	11.709

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8980D04003 / Tactical Wheeled Vehicle Protection Kits	Item Number / Title [DODIC]: D04016 / MEDIUM TACTICAL VEHICLE PROTECTION KITS

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

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	1,284	-	208	-	208
	Total Obligation Authority	60.531	44.593	11.709	-	11.709
Total:	Quantity	1,284	-	208	-	208
Secondary Distribution	Total Obligation Authority	60.531	44.593	11.709	-	11.709

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

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army							Date: May 2021					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 8980D04003 / Tactical Wheeled Vehicle Protection Kits				Item Number / Title [DODIC]: D04016 / MEDIUM TACTICAL VEHICLE PROTECTION KITS					

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
FMTV A1P2 B-Kits (Side Armor)		2021	O'Gara Armoring / Fairfield, OH	C / FFP	Fairfield, OH	Feb 2021	Jun 2021	108	35.093	N		
FMTV A1P2 C-kits (Underbody Armor Kit) ^(t)		2021	O'Gara Armoring / Fairfield, OH	C / FFP	Fairfield, OH	Feb 2021	Jun 2021	452	69.522	N		
FMTV A1P2 C-kits (Underbody Armor Kit) ^(t)		2022	O'Gara Armoring / Fairfield, OH	C / FFP	Fairfield, OH	Mar 2022	Jul 2022	208	53.471	Y		
FMTV A2 C-kits (Underbody Armor Kit)		2021	Oshkosh Defense / Oshkosh, WI	C / FFP	Oshkosh, WI	Feb 2021	Jun 2021	212	34.759	N		

^(t) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2022 Army																							Date: May 2021										
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 8980D04003 / Tactical Wheeled Vehicle Protection Kits										Item Number / Title [DODIC]: D04016 / MEDIUM TACTICAL VEHICLE PROTECTION KITS													
Cost Elements (Units in Each)						Fiscal Year 2021													Fiscal Year 2022													BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021													Calendar Year 2022													
							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			
FMTV A1P2 C-kits (Underbody Armor Kit)																																	
1	2021	ARMY		452	0	452																								0			
1	2022	ARMY		208	0	208																								154			

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Exhibit P-21, Production Schedule: PB 2022 Army													Date: May 2021																
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10						P-1 Line Item Number / Title: 8980D04003 / Tactical Wheeled Vehicle Protection Kits												Item Number / Title [DODIC]: D04016 / MEDIUM TACTICAL VEHICLE PROTECTION KITS											

Cost Elements <i>(Units in Each)</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
FMTV A1P2 C-kits (Underbody Armor Kit)																															
	1	2021	ARMY	452	452	0																							0		
	1	2022	ARMY	208	54	154	18	17	17	17	17	17	17	17															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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 8980D04003 / Tactical Wheeled Vehicle Protection Kits
		Item Number / Title [DODIC]: D04016 / MEDIUM TACTICAL VEHICLE PROTECTION KITS

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2022	1-8-5 For 2022	MAX For 2022	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	O'Gara Armoring - Fairfield, OH	48	480	1,152	0	6	8	14	0	6	4	10

"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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8980D04003 / Tactical Wheeled Vehicle Protection Kits	Item Number / Title [DODIC]: D04017 / HEAVY TACTICAL VEHICLE PROTECTION KITS

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)	14	24	31	9	-	9
Gross/Weapon System Cost (\$ in Millions)	469.266	24.582	18.970	6.248	-	6.248
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	469.266	24.582	18.970	6.248	-	6.248
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	469.266	24.582	18.970	6.248	-	6.248

(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)	33,519.000	1,024.250	611.935	694.222	-	694.222

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
HETS Urban Survivability Kits (HUSK) ^(†)	503.143	14	7.044	513.333	24	12.320	512.613	31	15.891	512.667	9	4.614	-	-	-	512.667	9	4.614
PLS / HEMTT C-Kits ^(†)	83.929	4,933	414.020	125.688	16	2.011	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes (ECO)	-	-	6.616	-	-	0.974	-	-	0.241	-	-	0.138	-	-	-	-	-	0.138
Matrix Functional Support	-	-	15.856	-	-	2.799	-	-	1.550	-	-	1.255	-	-	-	-	-	1.255
Transportation	-	-	14.845	-	-	0.395	-	-	0.275	-	-	0.088	-	-	-	-	-	0.088
Storage and Handling - Protection Kits	-	-	0.369	-	-	0.567	-	-	0.313	-	-	0.153	-	-	-	-	-	0.153
Systems Test and Evaluation	-	-	1.518	-	-	2.099	-	-	-	-	-	-	-	-	-	-	-	-
ISO Containers - Protection Kits	-	-	8.996	-	-	0.089	-	-	-	-	-	-	-	-	-	-	-	-
Documentation - Log Products	-	-	-	-	-	3.328	-	-	0.700	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	469.264	-	-	24.582	-	-	18.970	-	-	6.248	-	-	-	-	-	6.248
<i>Subtotal: Flyaway Cost</i>	-	-	469.264	-	-	24.582	-	-	18.970	-	-	6.248	-	-	-	-	-	6.248
Gross/Weapon System Cost	33,519.000	14	469.266	1,024.250	24	24.582	611.935	31	18.970	694.222	9	6.248	-	-	-	694.222	9	6.248

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8980D04003 / Tactical Wheeled Vehicle Protection Kits	Item Number / Title [DODIC]: D04017 / HEAVY TACTICAL VEHICLE PROTECTION KITS

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	24	31	9	-	9
	Total Obligation Authority	24.582	18.970	6.248	-	6.248
Total:	Quantity	24	31	9	-	9
Secondary Distribution	Total Obligation Authority	24.582	18.970	6.248	-	6.248

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

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army							Date: May 2021				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 8980D04003 / Tactical Wheeled Vehicle Protection Kits				Item Number / Title [DODIC]: D04017 / HEAVY TACTICAL VEHICLE PROTECTION KITS				

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
HETS Urban Survivability Kits (HUSK)		2020	Rock Island Arsenal / Rock Island, IL	MIPR	TACOM, Warren, MI	Mar 2020	Oct 2020	24	513.333	Y		
HETS Urban Survivability Kits (HUSK)		2021	Rock Island Arsenal / Rock Island, IL	MIPR	TACOM, Warren, MI	Feb 2021	Sep 2021	31	512.613	Y		
HETS Urban Survivability Kits (HUSK)		2022	Rock Island Arsenal / Rock Island, IL	MIPR	TACOM, Warren, MI	Jan 2022	Aug 2022	9	512.667	Y		
PLS / HEMTT C-Kits		2020	XPER, Inc. / Butler, PA	C / IDIQ	TACOM, Warren, MI	Oct 2020	Jun 2021	16	125.688	Y		

Remarks:
FY20 funding - First Article Inspection (FAI) Protection Kits (16 each) awarded on new competitive contract. Unit cost increase is due to requirement of Physical Configuration Audit (PCA) and Component First Article Test (CFAT) activities.

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 8992DA0924 / Modification Of In Svc Equip

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	7,276.810	73.627	56.112	29.349	-	29.349	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	7,276.810	73.627	56.112	29.349	-	29.349	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7,276.810	73.627	56.112	29.349	-	29.349	-	-	-	-	-	-

(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 budget line funds Modifications of In-Service Equipment to the Tactical Wheeled Vehicle fleet to include trailers and enablers. It is used to develop material solutions and also to procure hardware, materials, and the hardware installation cost required to complete the modification. Modifications are performed to correct safety deficiencies; increase mission capabilities and interoperability; extend the useful life; improve supportability; upgrade existing technology; increase efficiency; improve readiness; address obsolescence issues; and to meet new and/or changing statutory 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 considerably below that of buying new equipment.

The Joint Program Office, Joint Light Tactical Vehicle (JPO JLTV) modification effort requires the Mounted Family of Computer Systems (MFOCS) retrofit application and other gaps to JLTV systems which were fielded prior to the availability of the installation kits. The MFOCS retrofit activity will enable the transition of the JLTV fleet from the current Commander's Smart Display Unit (CSDU) to a single government solution for mounted mission command capability for the Army which eliminates continued sustainment and cyber security costs for multiple computing systems and software baselines to ensure continued authority to operate on the network. Other modification efforts support the transition of capabilities from the High Mobility Multipurpose Wheeled Vehicle (HMMWV) platform to the JLTV platform which were not available at the time of unit fielding. These kits include the Fire Direction Center (FDC) and M119A3 Prime Mover retrofit application, and the Shop Equipment Contact Maintenance Heavy (SECM-H) shelter integration kit and other systems which were fielded prior to the availability of installation kits. The FDC and M119A3 Prime Mover kits will provide critical fires capability to the JLTV platform while the SECM-H kits will improve the repair capability. Additional modification efforts include the following: Mounted Assured Positioning, Navigation, and Timing System (MAPS) Generation One (G1)/Generation Two (G2) retrofit which provides assured PNT in a GPS contested environment; Pack Leader retrofit kits with HMS ManPack Gen II and 2 Channel Leader Radio to support extended dismounted operations; Warfighter Information Network - Tactical (WIN-T) Next Generation (NG) retrofit which is a Command and Control configuration that supports on the move mission command; and Command Post Integrated Infrastructure (CPI2)/Command Post Platform (CPP) retrofit which is a Command and Control configuration that supports multi-domain operations. NOTE: This budget line is a continuation of an existing effort where prior year funds through FY 2021 were reflected under budget lines D15603 and D15610.

The Light Tactical Vehicle safety modification (LTV) effort for the Army requires Anti-lock Brake System/Electronic Stability Control (ABS/ESC) installation to High Mobility Multipurpose Wheeled Vehicle (HMMWV) fielded vehicles due to rollover and loss of control incidents resulting in fatalities and serious injuries. An ABS/ESC retrofit kit has been developed (National Stock Number 2530-01-677-3868) to upgrade the fielded fleet which were not addressed during new production or Recapitalization. Installation of ABS/ESC retrofit kits will mitigate the issue and will be executed at Red River Army Depot, and in the field by Red River Army Depot Flyaway installation teams to fill the near term gap, thereby maximizing safe and suitable HMMWV performance throughout the fleet. In the effort to continually modernize and achieve configuration commonality throughout the extensive fleet, HMMWV conversion efforts and other kits may be applied including but not limited to; Alternating Current (AC) Inverter, Heating, Ventilation, Air Conditioning (HVAC) Kits, and HMMWV B-Kits.

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 8992DA0924 / Modification Of In Svc Equip

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

The Family of Heavy Tactical Vehicles (FHTV) line funds the United States Army Europe (USAREUR) Operational Needs Statement (ONS) requirement for Heavy Equipment Transporter System (HETS) tractor modifications. Existing M1070A1 HETS tractors will be modified to the new M1300 tractors in order to meet the payload requirements directed by Army Leadership achieving a payload capacity of 78.5 tons without consideration of operational road permits, and 75 ton capacity while obtaining operational road permits in the European area of operations. Additionally, the Army requires further modification of M1070A1 tractors to the new M1300 tractors to meet the capacity targets of up to 85 tons without consideration of operational road permits and maintaining a capacity of 75 tons with operational road permits in the European theater of operations. Further, additional M1070A1 HETS tractors will be modified to the new M1300 to be the prime mover for the Enhanced Heavy Equipment Transporter System (EHETS) trailer and Medium Equipment Trailer (MET). This modification will ensure a flexible theater posture, and freedom of maneuver for joint forces on the current dynamic battlefield. Both configurations allow for the use of the HETS Urban Survivability Kit (HUSK) armored cab. This line also funds modifications for active safety; autonomy; modernization and Modification Work Orders (MWOs). This line will also fund Prognostics and Predictive Maintenance (PPMx) Kits as well as Tactical Vehicle Electrification Kits (TVEK).

This line funds the Army's plan to recapitalize existing Mine Resistant Ambush Protected (MRAP) RG33L+ variant vehicles into Program of Record (PoR) Panther Medium Mine Protected Vehicle (MMPV) Type I (a 6 wheeled vehicle). In addition, this line implements the Army's plan to upgrade a mix of vehicles: Husky, Panther-MMPV Type I, Buffalo, and RG31-MMPV Type II (a 4 wheeled vehicle) in conjunction with a reset program to field PoR vehicles to Engineer Companies; Chemical, Biological, Radiological, Nuclear, Explosive (CBRNE) Units; Explosive Ordnance Disposal (EOD) Units; and Area Clearance Platoons.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	37.475	56.112	14.930	-	14.930	-	-	-	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	22.495	-	7.953	-	7.953	-	-	-	-
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	13.657	-	6.466	-	6.466	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	73.627	56.112	29.349	-	29.349	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 10: Tactical Vehicles **P-1 Line Item Number / Title:**
 8992DA0924 / Modification Of In Svc Equip

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0604622A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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	D00929 / JOINT LIGHT TACTICAL VEHICLE (JLTV) MOD-IN-SERVICE (Retrofits)				- / -	- / -	- / -	- / 7.190	- / -	- / 7.190
P-3a	DA0925 / MODIFICATION HARDWARE (Various)				- / 2,553.043	- / 62.045	- / 34.885	- / 10.449	- / -	- / 10.449
P-3a	DA0926 / MODIFICATION APPLICATION (Various)				- / 4,723.767	- / 11.582	- / 21.227	- / 11.710	- / -	- / 11.710
P-40	Total Gross/Weapon System Cost				- / 7,276.810	- / 73.627	- / 56.112	- / 29.349	- / -	- / 29.349

*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:
 The FY 2022 Joint Light Tactical Vehicle (JLTV) Base procurement amount of \$7.190 million supports the procurement and installation of approximately 840 Mounted Family of Computer Systems (MFoCS) retrofit kits. The MFoCS retrofit activity will enable the transition of the JLTV fleet from the current Commander's Smart Display Unit (CSDU) to a single government solution for mounted mission command capability for the Army which eliminates continued sustainment and cyber security costs for multiple computing systems and software baselines to ensure continued authority to operate on the network. Additional retrofit requirements may result in a corresponding reduction in the quantities of MFoCS kits procured and installed in FY 2022.

The updated quantity for FY21 is 1,960 ABS/ESC Kits. The FY 2022 Base procurement dollars in the amount of \$10.449 million procures 545 HMMWV ABS/ESC Retrofit kits, the integration of these ABS/ESC kits on fielded systems and other associated kits to modernize the HMMWV fleet. Government furnished ABS/ESC retrofit kits will be installed by Red River Army Depot and are an affordable solution that accelerate critical safety improvements when compared to application through new production or Recap program.

FY 2022 Base procurement dollars in the amount of \$11.710 million provides for 60 Enhanced Heavy Equipment Transporter System (EHETS) tractor modifications to pair with commercial new production trailers. The Army lacks the ability to transport combat platforms during Large Scale Combat Operations (LSCO). Over time, combat vehicles have increased in weight; the Heavy Equipment Transporter System (HETS) has not kept pace with the change. Per the 20 DEC 19 Army Requirements Oversight Council (AROC) decision, this modification to the M1070A1 tractor to the new M1300 tractor will allow it to achieve an ultimate carrying capacity of up to 85 tons while achieving operational road permits at a weight of 75 tons in the European theater of operations. The 20 DEC 19 AROC decision also approves additional HETS M1070A1 to EHETS M1300 tractor modifications as the M1300 tractor will be the prime mover for the EHETS trailer and Medium Equipment Trailer (MET). This program supports the National Defense Strategy to prioritize maintaining the capacity and capabilities for major combat on the current dynamic battlefield. The increased payload provides the ability for transport, recovery and evacuation of heavy, oversized combat equipment such as the M1A1 Abrams main battle tank (MBT) and M88 recovery vehicle to support flexible theatre postures to enhance the ability to compete and provide freedom of maneuver during conflict.

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Exhibit P-3a, Individual Modification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8992DA0924 / Modification Of In Svc Equip	Modification Number / Title: D00929 / JOINT LIGHT TACTICAL VEHICLE (JTLV) MOD-IN-SERVICE

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	7.190	-	7.190
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	-	7.190	-	7.190
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	7.190	-	7.190

(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:

The Joint Program Office, Joint Light Tactical Vehicle (JPO JLTV) modification effort requires the Mounted Family of Computer Systems (MFOCS) retrofit application and other gaps to JLTV systems which were fielded prior to the availability of the installation kits. The MFOCS retrofit activity will enable the transition of the JLTV fleet from the current Commander's Smart Display Unit (CSDU) to a single government solution for mounted mission command capability for the Army which eliminates continued sustainment and cyber security costs for multiple computing systems and software baselines to ensure continued authority to operate on the network. Other modification efforts support the transition of capabilities from the High Mobility Multipurpose Wheeled Vehicle (HMMWV) platform to the JLTV platform which were not available at the time of unit fielding. These kits include the Fire Direction Center (FDC) and M119A3 Prime Mover retrofit application, and the Shop Equipment Contact Maintenance Heavy (SECM-H) shelter integration kit and other systems which were fielded prior to the availability of installation kits. The FDC and M119A3 Prime Mover kits will provide critical fires capability to the JLTV platform while the SECM-H kits will improve the repair capability. Additional modification efforts include the following: Mounted Assured Positioning, Navigation, and Timing System (MAPS) Generation One (G1)/Generation Two (G2) retrofit which provides assured PNT in a GPS contested environment; Pack Leader retrofit kits with HMS ManPack Gen II and 2 Channel Leader Radio to support extended dismounted operations; Warfighter Information Network ? Tactical (WIN-T) Next Generation (NG) retrofit which is a Command and Control configuration that supports on the move mission command; and Command Post Integrated Infrastructure (CPI2)/Command Post Platform (CPP) retrofit which is a Command and Control configuration that supports multi-domain operations. NOTE: This budget line is a continuation of an existing effort where prior year funds through FY 2021 were reflected under budget lines D15603 and D15610.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	7.190	-	7.190
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	-	7.190	-	7.190

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Exhibit P-3a, Individual Modification: PB 2022 Army						Date: May 2021	
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 8992DA0924 / Modification Of In Svc Equip			Modification Number / Title: D00929 / JOINT LIGHT TACTICAL VEHICLE (JTLV) MOD-IN-SERVICE	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Models of Systems Affected: Joint Light Tactical Vehicles			Modification Type: Retrofits			Related RDT&E PEs:	
Financial Plan	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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)	
Procurement							
<i>Modification Item 1 of 1: JLTV Retrofits</i>							
A Kits							
Recurring							
JLTV Retrofit Kits	- / -	- / -	- / -	840 / 6.574	- / -	840 / 6.574	
<i>Subtotal: Recurring</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>840 / 6.574</i>	<i>- / -</i>	<i>840 / 6.574</i>	
<i>Subtotal: JLTV Retrofits</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>840 / 6.574</i>	<i>- / -</i>	<i>840 / 6.574</i>	
<i>Subtotal: Procurement, All Modification Items</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>840 / 6.574</i>	<i>- / -</i>	<i>840 / 6.574</i>	
Installation							
<i>Modification Item 1 of 1: JLTV Retrofits</i>							
<i>Subtotal: Installation</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>840 / 0.616</i>	<i>- / -</i>	<i>840 / 0.616</i>	
Total							
Total Cost (Procurement + Support + Installation)	-	-	-	7.190	-	7.190	

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Exhibit P-3a, Individual Modification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8992DA0924 / Modification Of In Svc Equip	Modification Number / Title: D00929 / JOINT LIGHT TACTICAL VEHICLE (JTLV) MOD-IN-SERVICE

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 1 of 1: JTLV Retrofits

Manufacturer Information

Manufacturer Name: Oshkosh	Manufacturer Location: Oshkosh
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 6

Dates	FY 2020	FY 2021	FY 2022
Contract Dates			Dec 2021
Delivery Dates			Jun 2022

Installation Information

Method of Implementation: Contractor

Installation Cost	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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)
Prior Years	0 / 0.000	- / -	- / -	- / -	- / -	- / -
FY 2020	0 / 0.000	- / -	- / -	- / -	- / -	- / -
FY 2021	0 / 0.000	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	840 / 0.616	- / -	840 / 0.616
Total	- / -	- / -	- / -	840 / 0.616	- / -	840 / 0.616

Installation Schedule

	PYS	FY 2020				FY 2021				FY 2022			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
In	-	-	-	-	-	-	-	-	-	210	210	210	210
Out	-	-	-	-	-	-	-	-	-	-	-	210	210

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Exhibit P-3a, Individual Modification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8992DA0924 / Modification Of In Svc Equip	Modification Number / Title: DA0925 / MODIFICATION HARDWARE

ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,553.043	62.045	34.885	10.449	-	10.449
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,553.043	62.045	34.885	10.449	-	10.449
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,553.043	62.045	34.885	10.449	-	10.449
<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>)	2,623.888	1,034.083	-	-	-	-

Description:

The Light Tactical Vehicle safety modification (LTV) effort for the Army requires Anti-lock Brake System/Electronic Stability Control (ABS/ESC) installation to High Mobility Multipurpose Wheeled Vehicle (HMMWV) fielded vehicles due to rollover and loss of control incidents resulting in fatalities and serious injuries. An ABS/ESC retrofit kit has been developed (National Stock Number 2530-01-677-3868) to upgrade the fielded fleet which were not addressed during new production or Recapitalization. Installation of ABS/ESC retrofit kits will mitigate the issue and will be executed at Red River Army Depot, and in the field by Red River Army Depot Flyaway installation teams to fill the near term gap, thereby maximizing safe and suitable HMMWV performance throughout the fleet. In the effort to continually modernize and achieve configuration commonality throughout the extensive fleet, HMMWV conversion efforts and other kits may be applied including but not limited to; Alternating Current (AC) Inverter, Heating, Ventilation, Air Conditioning (HVAC) Kits, and HMMWV B-Kits.

This line funds the Army's plan to recapitalize Mine Resistant Ambush Protected (MRAP) RG33L+ variant vehicles originally bought to fill Operational Needs Statement (ONS) or Joint Urgent Operational Needs Statement (JUONS) into Program of Record (PoR) Panther Medium Mine Protected Vehicle (MMPV) Type I (a 6 wheeled vehicle). In addition, this line implements the Army's plan to upgrade a mix of ONS/JUONS vehicles: Husky, Panther-MMPV Type I, Buffalo, and RG31-MMPV Type II (a 4 wheeled vehicle) in conjunction with a reset program to field PoR vehicles to Engineer Companies; Chemical, Biological, Radiological, Nuclear, Explosive (CBRNE) Units; EOD Units; and Area Clearance Platoons.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	25.893	34.885	3.704	-	3.704
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	22.495	-	4.116	-	4.116
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	13.657	-	2.629	-	2.629
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	62.045	34.885	10.449	-	10.449

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Exhibit P-3a, Individual Modification: PB 2022 Army					Date: May 2021	
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 8992DA0924 / Modification Of In Svc Equip		Modification Number / Title: DA0925 / MODIFICATION HARDWARE	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:		
Models of Systems Affected: Various		Modification Type: Various			Related RDT&E PEs:	
Financial Plan	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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)
Procurement						
Modification Item 1 of 3: Recapitalization (MPCRV)						
A Kits						
Recurring						
Engineering Support (STS)	- / 21.078	- / 17.075	- / -	- / -	- / -	- / -
Kit Quantity	795 / 2,028.663	- / -	- / -	- / -	- / -	- / -
Fielding - OPNET/FLMNET	- / 37.737	- / 27.816	- / -	- / -	- / -	- / -
Equipment	- / 95.439	- / -	- / -	- / -	- / -	- / -
Parts	- / 12.949	- / -	- / -	- / -	- / -	- / -
Program Support	- / 45.356	- / 3.319	- / -	- / -	- / -	- / -
Transportation	- / 8.450	- / 5.040	- / -	- / -	- / -	- / -
Testing	- / 26.220	- / -	- / -	- / -	- / -	- / -
ICLS	- / 52.393	- / 14.467	- / -	- / -	- / -	- / -
GFE	- / 21.738	- / -	- / -	- / -	- / -	- / -
Log Support	- / 16.457	- / 4.328	- / -	- / -	- / -	- / -
Subtotal: Recurring	795 / 2,366.480	- / 62.045	- / -	- / -	- / -	- / -
Subtotal: Recapitalization (MPCRV)	795 / 2,366.480	- / 62.045	- / -	- / -	- / -	- / -
Modification Item 2 of 3: Family of Heavy Tactical Vehicles MOD Efforts						
A Kits						
Recurring						
HEMTTA4 GMT Crane Effort	26 / 6.200	- / -	- / -	- / -	- / -	- / -
CTE KIT Procurement/Install	487 / 156.657	- / -	- / -	- / -	- / -	- / -
CTE Kit Procurement/Install (OCO Only)	193 / 3.307	- / -	- / -	- / -	- / -	- / -
CTE - Matrix Functionl Support	- / 3.720	- / -	- / -	- / -	- / -	- / -
CTE - Fielding	- / 1.895	- / -	- / -	- / -	- / -	- / -
CTE FDT	- / 2.264	- / -	- / -	- / -	- / -	- / -
PLS Hook Arm Pin Effort	- / 3.465	- / -	- / -	- / -	- / -	- / -
HETS Tractor Mods - Hardware	170 / 9.055	- / -	- / -	- / -	- / -	- / -
Subtotal: Recurring	876 / 186.563	- / -	- / -	- / -	- / -	- / -
Subtotal: Family of Heavy Tactical Vehicles MOD Efforts	876 / 186.563	- / -	- / -	- / -	- / -	- / -
Modification Item 3 of 3: HMMWV Retrofit Kits Effort						
B Kits						
Recurring						

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Exhibit P-3a, Individual Modification: PB 2022 Army					Date: May 2021	
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 8992DA0924 / Modification Of In Svc Equip		Modification Number / Title: DA0925 / MODIFICATION HARDWARE	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:		
Models of Systems Affected: Various		Modification Type: Various			Related RDT&E PEs:	
Financial Plan	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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)
HMMWV ABS/ESC Retrofit Kits	- / -	- / -	1,960 / 16.442	545 / 4.719	- / -	545 / 4.719
Program Support	- / -	- / -	- / 0.811	- / 1.110	- / -	- / 1.110
Transportation	- / -	- / -	- / 0.958	- / 0.272	- / -	- / 0.272
<i>Subtotal: Recurring</i>	- / -	- / -	1,960 / 18.211	545 / 6.101	- / -	545 / 6.101
<i>Subtotal: HMMWV Retrofit Kits Effort</i>	- / -	- / -	1,960 / 18.211	545 / 6.101	- / -	545 / 6.101
<i>Subtotal: Procurement, All Modification Items</i>	1,671 / 2,553.043	- / 62.045	1,960 / 18.211	545 / 6.101	- / -	545 / 6.101
Installation						
<i>Modification Item 3 of 3: HMMWV Retrofit Kits Effort</i>	- / -	- / -	1,960 / 16.674	545 / 4.348	- / -	545 / 4.348
<i>Subtotal: Installation</i>	- / -	- / -	1,960 / 16.674	545 / 4.348	- / -	545 / 4.348
Total						
Total Cost (Procurement + Support + Installation)	2,553.043	62.045	34.885	10.449	-	10.449

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Exhibit P-3a, Individual Modification: PB 2022 Army		Date: May 2021	
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 8992DA0924 / Modification Of In Svc Equip	
		Modification Number / Title: DA0925 / MODIFICATION HARDWARE	
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:	
Modification Item 1 of 3: Recapitalization (MPRCV)			
Manufacturer Information			
Manufacturer Name: Letterkenny Army Depot (LEAD		Manufacturer Location: Chambersburg, PA.	
Administrative Leadtime (<i>in Months</i>): 5		Production Leadtime (<i>in Months</i>): 4	
Dates	FY 2020	FY 2021	FY 2022
Contract Dates			
Delivery Dates			
Installation Information			
Method of Implementation (Organic): Depot Recap		Installation Quantity: 0	

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Exhibit P-3a, Individual Modification: PB 2022 Army		Date: May 2021	
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 8992DA0924 / Modification Of In Svc Equip	
		Modification Number / Title: DA0925 / MODIFICATION HARDWARE	
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:	
Modification Item 2 of 3: Family of Heavy Tactical Vehicles MOD Efforts			
Manufacturer Information			
Manufacturer Name: OSHKOSH		Manufacturer Location: Oshkosh, WI	
Administrative Leadtime (in Months): 9		Production Leadtime (in Months): 3	
Dates	FY 2020	FY 2021	FY 2022
Contract Dates			
Delivery Dates			
Installation Information			
Method of Implementation (Organic): Oskkosh		Installation Quantity: 0	

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Exhibit P-3a, Individual Modification: PB 2022 Army	Date: May 2021
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8992DA0924 / Modification Of In Svc Equip	Modification Number / Title: DA0925 / MODIFICATION HARDWARE
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 3 of 3: HMMWV Retrofit Kits Effort

Manufacturer Information

Manufacturer Name: Ricardo Defense Systems	Manufacturer Location: Sterling Heights, MI
Administrative Leadtime (in Months): 4	Production Leadtime (in Months): 1

Dates	FY 2020	FY 2021	FY 2022
Contract Dates		Feb 2021	Jan 2022
Delivery Dates		Mar 2021	Feb 2022

Installation Information

Method of Implementation: Red River Army Depot (RRAD) Regional Site Teams

Installation Cost	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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)
Prior Years	0 / 0.000	- / -	- / -	- / -	- / -	- / -
FY 2020	0 / 0.000	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	1,960 / 16.674	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	545 / 4.348	- / -	545 / 4.348
Total	- / -	- / -	1,960 / 16.674	545 / 4.348	- / -	545 / 4.348

Installation Schedule

PYS	Q1	FY 2020				FY 2021				FY 2022			
		Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
In	-	-	-	-	-	1,200	-	760	-	545	-	-	
Out	-	-	-	-	-	100	295	585	369	306	305	196	

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Exhibit P-3a, Individual Modification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8992DA0924 / Modification Of In Svc Equip	Modification Number / Title: DA0926 / MODIFICATION APPLICATION

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	4,723.767	11.582	21.227	11.710	-	11.710
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	4,723.767	11.582	21.227	11.710	-	11.710
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	4,723.767	11.582	21.227	11.710	-	11.710

(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)	-	-	154.942	195.167	-	195.167

Description:

The Family of Heavy Tactical Vehicles (FHTV) line funds the United States Army Europe (USAREUR) Operational Needs Statement (ONS) requirement for Heavy Equipment Transporter System (HETS) tractor modifications. Existing M1070A1 HETS tractors will be modified to the new M1300 tractors in order to meet the payload requirements directed by Army Leadership achieving a payload capacity of 78.5 tons without consideration of operational road permits, and 75 ton capacity while obtaining operational road permits in the European area of operations. Additionally, the Army requires further modification of M1070A1 tractors to the new M1300 tractors to meet the capacity targets of up to 85 tons without consideration of operational road permits and maintaining a capacity of 75 tons with operational road permits in the European theater of operations. Further, additional M1070A1 HETS tractors will be modified to the new M1300 to be the prime mover for the Enhanced Heavy Equipment Transporter System (EHETS) trailer and Medium Equipment Trailer (MET). This modification will ensure a flexible theater posture, and freedom of maneuver for joint forces on the current dynamic battlefield. Both configurations allow for the use of the HETS Urban Survivability Kit (HUSK) armored cab. This line also funds modifications for active safety; autonomy; modernization and Modification Work Orders (MWOs). This line will also fund Prognostics and Predictive Maintenance (PPMx) Kits as well as Tactical Vehicle Electrification Kits (TVEK).

This line funds the Army's plan to recapitalize Mine Resistant Ambush Protected (MRAP) RG33L+ variant vehicles originally bought to fill Operational Needs Statement (ONS) or Joint Operational Needs Statement (JUONS) into Program of Record (PoR) Panther Medium Mine Protected Vehicle (MMPV) Type I (a 6 wheeled vehicle). In addition, this line implements the Army's plan to upgrade a mix of ONS/JUONS vehicles: Husky, Panther-MMPV Type I, Buffalo, and RG31-MMPV Type II (a 4 wheeled vehicle) in conjunction with a reset program to field PoR vehicles to Engineer Companies; Chemical, Biological, Radiological, Nuclear, Explosive (CBRNE) Units; EOD Units; and Area Clearance Platoons.

FY 2022 Base procurement dollars in the amount of \$11.710 million provides for 60 Enhanced Heavy Equipment Transporter System (EHETS) tractor modifications to pair with commercial new production trailers. The Army lacks the ability to transport combat platforms during Large Scale Combat Operations (LSCO). Over time, combat vehicles have increased in weight; the Heavy Equipment Transporter System (HETS) has not kept pace with the change. Per the 20 DEC 19 Army Requirements Oversight Council (AROC) decision, this modification to the M1070A1 tractor to the new M1300 tractor will allow it to achieve an ultimate carrying capacity of up to 85 tons while achieving operational road permits at a weight of 75 tons in the European theater of operations. The 20 DEC 19 AROC decision also approves additional HETS M1070A1 to EHETS M1300 tractor modifications as the M1300 tractor will be the prime mover for the EHETS trailer and Medium Equipment Trailer (MET). This program supports the National Defense Strategy to prioritize maintaining the capacity and capabilities for major combat on the current dynamic battlefield. The increased payload provides the ability for transport, recovery and evacuation of heavy, oversized combat equipment such as the M1A1 Abrams main battle tank (MBT) and M88 recovery vehicle to support flexible theatre postures to enhance the ability to compete and provide freedom of maneuver during conflict.

Matrix Functional Support is required to address/augment Engineering and Logistic functions, capabilities and gaps to supplement core employee competencies. System Engineering oversight and multiple functions of Logistics support such as management, fielding, tracking and documentation is required during the acquisition process.

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Exhibit P-3a, Individual Modification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8992DA0924 / Modification Of In Svc Equip	Modification Number / Title: DA0926 / MODIFICATION APPLICATION

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	11.582	21.227	4.036	-	4.036
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	3.837	-	3.837
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	3.837	-	3.837
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	11.582	21.227	11.710	-	11.710

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Exhibit P-3a, Individual Modification: PB 2022 Army					Date: May 2021		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 8992DA0924 / Modification Of In Svc Equip			Modification Number / Title: DA0926 / MODIFICATION APPLICATION		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Models of Systems Affected: Various		Modification Type: Various			Related RDT&E PEs:		
Financial Plan	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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)	
Procurement							
Modification Item 1 of 2: Recapitalization (MPRCV)/ Fielding/FLMNET							
A Kits							
Recurring							
Kit Quantity	- / 4,711.887	- / -	- / -	- / -	- / -	- / -	
Fielding/FLMNET	- / -	- / 16.080	- / -	- / -	- / -	- / -	
Subtotal: Recurring	- / 4,711.887	- / 16.080	- / -	- / -	- / -	- / -	
Subtotal: Recapitalization (MPRCV)/ Fielding/FLMNET	- / 4,711.887	- / 16.080	- / -	- / -	- / -	- / -	
Modification Item 2 of 2: FHTV EHETS Tractor Mods							
A Kits							
Recurring							
Kit/Installation	- / -	- / -	170 / 15.313	60 / 7.242	- / -	60 / 7.242	
Engineering Changes	- / -	- / -	- / 0.378	- / 0.217	- / -	- / 0.217	
FRET	- / -	- / -	- / -	- / 1.440	- / -	- / 1.440	
Systems Engineering/Program Management	- / -	- / 11.900	- / 11.920	- / 1.934	- / -	- / 1.934	
Support Equipment	- / -	- / -	- / 0.250	- / 0.102	- / -	- / 0.102	
Fielding	- / -	- / -	- / 0.216	- / 0.087	- / -	- / 0.087	
Transportation	- / -	- / 0.300	- / 0.650	- / 0.298	- / -	- / 0.298	
Subtotal: Recurring	- / -	- / 12.200	170 / 18.727	60 / 11.320	- / -	60 / 11.320	
Non-Recurring							
Data	- / -	- / 13.302	- / 0.500	- / 0.390	- / -	- / 0.390	
GMT Crane	- / -	- / -	- / 12.000	- / -	- / -	- / -	
Subtotal: Non-Recurring	- / -	- / 13.302	- / 12.500	- / 0.390	- / -	- / 0.390	
Subtotal: FHTV EHETS Tractor Mods	- / -	- / 15.502	170 / 21.227	60 / 11.710	- / -	60 / 11.710	
Subtotal: Procurement, All Modification Items	- / 4,711.887	- / 11.582	170 / 21.227	60 / 11.710	- / -	60 / 11.710	
Installation							
Modification Item 2 of 2: FHTV EHETS Tractor Mods	3,753 / 11.880	- / -	- / -	- / -	- / -	- / -	
Subtotal: Installation	3,753 / 11.880	- / -	- / -	- / -	- / -	- / -	
Total							
Total Cost (Procurement + Support + Installation)	4,723.767	11.582	21.227	11.710	-	11.710	

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Exhibit P-3a, Individual Modification: PB 2022 Army		Date: May 2021	
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 8992DA0924 / Modification Of In Svc Equip	
		Modification Number / Title: DA0926 / MODIFICATION APPLICATION	
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:	
Modification Item 1 of 2: Recapitalization (MPRCV)/ Fielding/FLMNET			
Manufacturer Information			
Manufacturer Name: Letterkenny Army Depot (LEAD)		Manufacturer Location: Chambersburg, PA.	
Administrative Leadtime (in Months): 5		Production Leadtime (in Months): 4	
Dates	FY 2020	FY 2021	FY 2022
Contract Dates			
Delivery Dates			
Installation Information			
Method of Implementation (Organic): Depot Recap		Installation Quantity: 0	

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Exhibit P-3a, Individual Modification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8992DA0924 / Modification Of In Svc Equip	Modification Number / Title: DA0926 / MODIFICATION APPLICATION

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 2 of 2: FHTV EHETS Tractor Mods

Manufacturer Information

Manufacturer Name: OSHKOSH	Manufacturer Location: Oshkosh, WI
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 9

Dates	FY 2020	FY 2021	FY 2022
Contract Dates	Jul 2020	Dec 2020	Dec 2021
Delivery Dates	Jan 2021	Mar 2021	Sep 2022

Installation Information

Method of Implementation: Oshkosh

Installation Cost	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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)
Prior Years	3,491 / 10.486	- / -	- / -	- / -	- / -	- / -
FY 2020	0 / 0.000	- / -	- / -	- / -	- / -	- / -
FY 2021	262 / 1.394	- / -	- / -	- / -	- / -	- / -
FY 2022	0 / 0.000	- / -	- / -	- / -	- / -	- / -
Total	3,753 / 11.880	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	PYS	FY 2020				FY 2021				FY 2022			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
In	2,957	-	-	-	-	-	-	-	170	-	60	-	-
Out	2,891	66	-	-	-	-	-	-	-	-	170	-	60

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 20: Non-Tactical Vehicles

P-1 Line Item Number / Title:
 0300D22100 / Heavy Armored Vehicle

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

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	4	3	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	46.595	0.791	-	-	-	-	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	46.595	0.791	-	-	-	-	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	46.595	0.791	-	-	-	-	-	-	-	-	-	-

(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>)	11,648.750	263.667	-	-	-	-	-	-	-	-	-	-

Description:

These physical security vehicles are specialized commercial design vehicles that are armored to meet specific threat conditions within the guidelines/requirements established by the Office of the Secretary of Defense, Special Operations and Low Intensity Conflict (SOLIC) for Heavy Armored Vehicles (HAV). These vehicles provide inconspicuous protection and transportation for U.S. personnel and cargo in high threat areas, such as Europe, Korea, and Southwest Asia. The level of armor is in accordance with the nature and type of threat in the area of use. These vehicles are heavy duty passenger vehicles and are utilized by General Officers, dignitaries, embassy personnel, and other Service members requiring protection. These vehicles are essential for protecting lives. Heavy Armored Sedan is a vehicle replacement program that does not have a set Army Acquisition Objective (AAO). Procurements are made when requirements arise based on threat conditions or when existing vehicles need to be replaced due to unserviceable condition or over-age and over-mileage status.

Funds in this program are realigned to SSN D30000 (Nontactical Vehicles, Other), beginning in FY 2021.

Secondary Distribution	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army									
Quantity	3	-	-	-	-	-	-	-	-
Total Obligation Authority	0.791	-	-	-	-	-	-	-	-
Total:	3	-	-	-	-	-	-	-	-
Secondary Distribution	0.791	-	-	-	-	-	-	-	-

Justification:

D22100 has no FY2022 funding request. This program is realigned to SSN D30000 (Nontactical Vehicles, Other).

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 20: Non-Tactical Vehicles

P-1 Line Item Number / Title:
 0358D23000 / Passenger Carrying Vehicles

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

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	39	24	22	12	-	12	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	291.431	1.416	1.246	1.232	-	1.232	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	291.431	1.416	1.246	1.232	-	1.232	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	291.431	1.416	1.246	1.232	-	1.232	-	-	-	-	-	-

(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>)	7,472.590	59.000	56.636	102.667	-	102.667	-	-	-	-	-	-

Description:

This line is a roll-up of sedans, ambulances and 12 to 90 passenger-size buses. Passenger Carrying Vehicles are of commercial design intended to provide transportation for Army personnel and family members. This program procures vehicles for Outside Continental United States (OCONUS) activities, such as Japan, Korea, Kwajalein and Honduras, where General Services Administration (GSA) fleet leased vehicles are not available. Passenger Carrying Vehicles are procurable from commercial vendors, Original Equipment Manufacturers (OEM) and after-market sources. This is a vehicle replacement program that does not have a set Army Acquisition Objective (AAO). Procurements are made to replace Passenger Carrying Vehicles when they reach an over-aged or unserviceable condition.

Sedans are of commercial design and procurable from commercial vendors, original equipment manufacturers (OEM) and after-market sources. Sedans are used for basic transportation for Army personnel and family members but are also used for investigation, field intelligence, security missions, and law enforcement. Ambulances provide emergency response capability and allow life-saving support for patients during transport to hospitals. Ambulances are procurable from commercial vendors and after-market sources. Buses are of commercial design and provide short haul and intermediate transportation for Army personnel and family members, including both adult and school-age passengers.

Secondary Distribution	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army									
Quantity	24	22	12	-	12	-	-	-	-
Total Obligation Authority	1.416	1.246	1.232	-	1.232	-	-	-	-
Total:									
Secondary Distribution									
Quantity	24	22	12	-	12	-	-	-	-
Total Obligation Authority	1.416	1.246	1.232	-	1.232	-	-	-	-

Justification:

FY 2022 Base procurement dollars in the amount of \$1.232 million supports installations and units with transportation and ambulance services for Army personnel and family members. A total of 12 Passenger Carrying Vehicles are needed to replace over-aged vehicles at Outside Continental United States (OCONUS) locations, such as Japan, Korea, Kwajalein, and Honduras. The General Services Administration (GSA) does not lease vehicles to many OCONUS locations. The 12 vehicles include 9 sedans, 1 ambulance, and 2 buses. Sedans are utilized by both installations and covert activities that are OCONUS. Ambulances are essential and life saving vehicles, and buses ensure safe and reliable transportation services for Army installations.

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 20: Non-Tactical Vehicles		P-1 Line Item Number / Title: 0358D23000 / Passenger Carrying Vehicles
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 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 20: Non-Tactical Vehicles	P-1 Line Item Number / Title: 2450D30000 / NonTactical Vehicles, Other
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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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	282	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	970.828	26.032	-	24.246	-	24.246	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	970.828	26.032	-	24.246	-	24.246	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	970.828	26.032	-	24.246	-	24.246	-	-	-	-	-	-

(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>)	-	92.312	-	-	-	-	-	-	-	-	-	-

Description:

This line is a roll-up of Special Purpose Vehicles and General Purpose Vehicles. Special and General Purpose vehicles are used in the direct support of facility engineering, maintenance activities, and for general administrative use in transporting personnel and cargo. All vehicles are procurable from commercial sources. Non-Tactical Vehicles is a vehicle replacement program that does not have a set Army Acquisition Objective (AAO). Procurements are made to fill shortages or to replace vehicles that have reached an over-aged or unserviceable condition.

General Purpose Vehicles are of commercial design, intended primarily for general administrative use in transporting personnel and cargo. Most vehicles are procurable from commercial production lines and include light to heavy trucks, such as carryalls, panel trucks, stake trucks, cargo trucks, trailers, troop carrier semi-trailers, utility trucks, fuel servicing tankers, truck tractors, and flatbed trucks. Additional examples include blood mobiles, which are used for collecting blood; expandable semi-trailers used for recruiting missions; and commercial light armored vehicles (CLAV), which are used to provide inconspicuous force protection for missions and to provide protection for high level personnel who might be seen as targets. These type of vehicles are procured from specialized vendors. Technical support is part of this program for the development of specifications and conducting inspections on specialized or sensitive vehicle types, such as CLAVs.

Special Purpose Vehicles are commercially designed for specialized use in the direct support of facility engineering, maintenance and similar activities within an organization. Examples include maintenance trucks, servicing platform trucks, refuse trucks, dump trucks, and other vehicles with mounted equipment.

Funds in this program include a realignment of funds from the Heavy Armored Vehicle program, SSN D22100, beginning in FY 2021. Heavy Armored Vehicles are physical security vehicles which provide inconspicuous protection and transportation for U.S. personnel in high threat areas, such as Europe, Korea, and Southwest Asia.

Secondary Distribution	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Army	Quantity	282	-	-	-	-	-	-	-
	Total Obligation Authority	26.032	-	23.659	-	23.659	-	-	-
ANG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	0.587	-	0.587	-	-	-
Total:	Quantity	282	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army							Date: May 2021		
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 20: Non-Tactical Vehicles					P-1 Line Item Number / Title: 2450D30000 / NonTactical Vehicles, Other				
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									

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026
Secondary Distribution	Total Obligation Authority	26.032	-	24.246	-	24.246	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 01: Tactical and Support Vehicles / BSA 20: Non-Tactical Vehicles **P-1 Line Item Number / Title:**
 2450D30000 / NonTactical Vehicles, Other

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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 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	D31701 / Heavy Armored Vehicles		A		- / -	- / -	- / -	- / 2.838	- / -	- / 2.838
P-5	DV0013 / GENERAL PURPOSE VEHICLES	P-5a	A		- / 635.209	219 / 16.382	- / -	- / 14.880	- / -	- / 14.880
P-5	DV0014 / SPECIAL PURPOSE VEHICLES	P-5a	A		- / 335.619	63 / 9.650	- / -	- / 6.528	- / -	- / 6.528
P-40	Total Gross/Weapon System Cost				- / 970.828	282 / 26.032	- / -	- / 24.246	- / -	- / 24.246

*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 2022 Base procurement dollars in the amount of \$23.339 million supports installations and units with Non-Tactical Vehicles providing cargo and passenger transportation, in addition to facility engineering and maintenance capability. FY2022 Base procurement dollars of \$0.907 million will provide heavy armored vehicles to support the Enduring Requirement for Operation (CJTF-Horn of Africa). A total of 198 Non-Tactical Vehicles are required to fill shortages and replace over-aged vehicles that are unsafe, over mileage, or uneconomical to repair. The 198 vehicles include 147 general purpose vehicles, 43 special purpose vehicles, and 8 heavy armored vehicles. Among the General Purpose Vehicle types required are carryalls, stake trucks, cargo trucks, tractor trucks, light armored vehicles, fuel servicing tank trucks, and semitrailer personnel carriers. Many of these vehicles are needed at Outside the Continental United States (OCONUS) locations where General Services Administration (GSA) leasing is not available (e.g. Japan and Korea). Other vehicle types, such as semitrailer personnel carriers, are not leasable from GSA and are needed to support the Army's training mission within the Continental United States. Most Special Purpose Vehicles are not available from GSA to lease; therefore, support to the servicing, sanitation, and welfare missions of the field must be provided by procurement. Service platform trucks, dump trucks, refuse collection trucks, and other special purpose vehicles are required to continue the engineering support mission necessary to the operation of posts, camps, and stations worldwide. Heavy Armored Vehicles support the physical security of High Resource Personnel (HRP) in areas of threat, such as Europe, Korea, Africa, and Southwest Asia. Vehicle replacements are needed to ensure the continued physical security and protection of General Officers and visiting dignitaries. During the year of execution, a final assessment will be made by the program office on the specific types of General Purpose, Special Purpose Vehicles, and Heavy Armored Vehicles to be procured. It will be based on current operational requirements and priorities reported by the Army Commands. FY 2022 Base procurement dollars also reimburses the Program Management costs, in addition to technical and procurement support, to support the procurement of the 198 total 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 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 20	P-1 Line Item Number / Title: 2450D30000 / NonTactical Vehicles, Other	Item Number / Title [DODIC]: D31701 / Heavy Armored Vehicles

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	2.838	-	2.838
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	-	2.838	-	2.838
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	2.838	-	2.838

(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>)	-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
Heavy Armored Vehicles	-	-	-	-	-	-	-	-	-	354.750	8	2.838	-	-	-	354.750	8	2.838
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	2.838	-	-	-	-	-	2.838
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	2.838	-	-	-	-	-	2.838
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	2.838	-	-	-	-	-	2.838

Secondary Distribution	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	2.838	-	2.838
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	2.838	-	2.838

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 20	P-1 Line Item Number / Title: 2450D30000 / NonTactical Vehicles, Other	Item Number / Title [DODIC]: DV0013 / GENERAL PURPOSE VEHICLES

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)	-	219	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	635.209	16.382	-	14.880	-	14.880
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	635.209	16.382	-	14.880	-	14.880
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	635.209	16.382	-	14.880	-	14.880

(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)	-	74.804	-	-	-	-

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
Cargo Truck ^(†)	30.667	9	0.276	27.286	21	0.573	-	-	-	30.000	18	0.540	-	-	-	30.000	18	0.540
Carryall Truck ^(†)	35.757	37	1.323	34.542	59	2.038	-	-	-	34.184	38	1.299	-	-	-	34.184	38	1.299
Tractor Truck ^(†)	140.333	6	0.842	136.059	17	2.313	-	-	-	140.000	14	1.960	-	-	-	140.000	14	1.960
Stake Truck ^(†)	61.500	4	0.246	81.500	6	0.489	-	-	-	84.000	11	0.924	-	-	-	84.000	11	0.924
Light Armored Vehicle ^(†)	209.000	2	0.418	150.250	4	0.601	-	-	-	160.000	13	2.080	-	-	-	160.000	13	2.080
Panel Truck ^(†)	-	-	-	-	-	-	-	-	-	32.000	11	0.352	-	-	-	32.000	11	0.352
Fuel Servicing Truck ^(†)	162.000	12	1.944	183.333	18	3.300	-	-	-	183.000	15	2.745	-	-	-	183.000	15	2.745
Multi Stop Delivery Truck ^(†)	44.000	2	0.088	49.889	9	0.449	-	-	-	56.000	10	0.560	-	-	-	56.000	10	0.560
Truck Van Cargo ^(†)	76.500	4	0.306	125.000	1	0.125	-	-	-	129.000	3	0.387	-	-	-	129.000	3	0.387
Semitrailer Personnel Carrier ^(†)	369.000	9	3.321	-	-	-	-	-	-	372.000	5	1.860	-	-	-	372.000	5	1.860
Flatbed Truck ^(†)	155.750	4	0.623	84.000	4	0.336	-	-	-	165.000	5	0.825	-	-	-	165.000	5	0.825
Semitrailer Van Expansibles ^(†)	424.000	2	0.848	354.250	4	1.417	-	-	-	-	-	-	-	-	-	-	-	-
Wrecker Truck ^(†)	139.000	2	0.278	163.000	1	0.163	-	-	-	165.000	2	0.330	-	-	-	165.000	2	0.330

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 20	P-1 Line Item Number / Title: 2450D30000 / NonTactical Vehicles, Other	Item Number / Title [DODIC]: DV0013 / GENERAL PURPOSE VEHICLES
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 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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)
Truck Van Instrumentation ^(†)	-	-	-	156.800	15	2.352	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerator Truck ^(†)	147.000	5	0.735	-	-	-	-	-	-	152.000	2	0.304	-	-	-	152.000	2	0.304
Semitrailer Dump ^(†)	-	-	-	48.000	1	0.048	-	-	-	-	-	-	-	-	-	-	-	-
General Purpose Vehicles ^(†)	44,568.643	14	623.961	36.915	59	2.178	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	635.209	-	-	16.382	-	-	-	-	-	14.166	-	-	-	-	-	14.166
<i>Subtotal: Flyaway Cost</i>	-	-	635.209	-	-	16.382	-	-	-	-	-	14.166	-	-	-	-	-	14.166
Support - Program Management Cost																		
Government Management	-	-	-	-	-	-	-	-	-	-	-	0.714	-	-	-	-	-	0.714
<i>Subtotal: Support - Program Management Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.714	-	-	-	-	-	0.714
Gross/Weapon System Cost	-	-	635.209	74.804	219	16.382	-	-	-	-	-	14.880	-	-	-	-	-	14.880

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	219	-	-	-	-
	Total Obligation Authority	16.382	-	14.417	-	14.417
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	0.463	-	0.463
Total: Secondary Distribution	Quantity	219	-	-	-	-
	Total Obligation Authority	16.382	-	14.880	-	14.880

^(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 20	P-1 Line Item Number / Title: 2450D30000 / NonTactical Vehicles, Other	Item Number / Title [DODIC]: DV0013 / GENERAL PURPOSE VEHICLES
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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
Cargo Truck		2020	Multiple / Multiple	C / FP	GSA, Washington, DC	Jul 2020	Nov 2020	21	27.286	N		
Cargo Truck		2022	TBS / TBS	C / FP	GSA, Washington, DC	Apr 2022	Aug 2022	18	30.000	N		
Carryall Truck		2020	Multiple / Multiple	C / FP	GSA, Washington, DC	Jul 2020	Nov 2020	59	34.542	N		
Carryall Truck		2022	TBS / TBS	C / FP	GSA, Washington, DC	Jun 2022	Oct 2022	38	34.184	N		
Tractor Truck		2020	Multiple / Multiple	C / FP	GSA, Washington, DC	Jul 2020	Feb 2021	17	136.059	N		
Tractor Truck		2022	TBS / TBS	C / FP	GSA, Washington, DC	May 2022	Nov 2022	14	140.000	N		
Stake Truck		2020	Multiple / Multiple	C / FP	GSA, Washington, DC	Sep 2020	Mar 2021	6	81.500	N		
Stake Truck		2022	TBS / TBS	C / FP	GSA, Washington, DC	Jun 2022	Oct 2022	11	84.000	N		
Light Armored Vehicle		2020	Alpine Armoring, Inc. / Chantilly, VA	Option / FP	Army Contracting, Warren, MI	Mar 2021	Jul 2021	4	150.250	Y		
Light Armored Vehicle		2022	TBS / TBS	C / FP	GSA, Washington, DC	Jun 2022	Feb 2023	13	160.000	N		
Panel Truck		2022	TBS / TBS	C / FP	GSA, Washington, DC	Apr 2022	Aug 2022	11	32.000	N		
Fuel Servicing Truck		2020	Multiple / Multiple	C / FP	GSA, Washington, DC	Sep 2020	Mar 2021	18	183.333	N		
Fuel Servicing Truck		2022	TBS / TBS	C / FP	GSA, Washington, DC	May 2022	Dec 2022	15	183.000	N		
Multi Stop Delivery Truck		2020	Brasada Northside Ford / San Antonio, TX	C / FP	GSA, Washington, DC	Jul 2020	Jun 2021	9	49.889	N		
Multi Stop Delivery Truck		2022	TBS / TBS	C / FP	GSA, Washington, DC	Jun 2022	Dec 2022	10	56.000	N		
Truck Van Cargo		2020	TBS / TBS	C / FP	GSA, Washington, DC	Jul 2021	Dec 2021	1	125.000	N		
Truck Van Cargo		2022	TBS / TBS	C / FP	GSA, Washington, DC	Jun 2022	Dec 2022	3	129.000	N		
Semitrailer Personnel Carrier		2022	TBS / TBS	C / FP	Army Contracting, Warren, MI	Aug 2022	Apr 2023	5	372.000	N		
Flatbed Truck		2020	Multiple / Multiple	C / FP	GSA, Washington, DC	Sep 2020	Jun 2021	4	84.000	N		
Flatbed Truck		2022	TBS / TBS	C / FP	GSA, Washington, DC	Jul 2022	Feb 2023	5	165.000	N		
Semitrailer Van Expandible		2020	Global Enterprise, Inc. / Alexandria, VA	C / FP	GSA, Washington, DC	Sep 2020	Jun 2021	4	354.250	Y		
Wrecker Truck		2020	Truck Country of Wisconsin / Kaukauna, WI	C / FP	GSA, Washington, DC	Dec 2020	Jun 2021	1	163.000	N		
Wrecker Truck		2022	TBS / TBS	C / FP	GSA, Washington, DC	Jul 2022	Feb 2023	2	165.000	N		
Truck Van Instrumentation		2020	Multiple / Multiple	C / FP	GSA, Washington, DC	Jan 2021	Jan 2022	15	156.800	N		
Refrigerator Truck		2022	TBS / TBS	C / FP	GSA, Washington, DC	Jul 2022	Mar 2023	2	152.000	N		
Semitrailer Dump		2020	Global Enterprise, Inc. / Alexandria, VA	C / FP	GSA, Washington, DC	Jan 2021	Apr 2021	1	48.000	N		
General Purpose Vehicles		2020	TBS / TBS	C / FP	GSA, Washington, DC	Jun 2021	Dec 2021	59	36.915	N		

Remarks:

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 20	P-1 Line Item Number / Title: 2450D30000 / NonTactical Vehicles, Other	Item Number / Title [DODIC]: DV0013 / GENERAL PURPOSE VEHICLES
<p>There are multiple contracts, contractors, and PCOs for General Purpose Vehicles. The primary PCO is General Services Administration in Washington, DC. However, other PCO sources are also utilized to procure vehicles, such as Army Contracting (Warren, MI), Defense Logistics Agency (Philadelphia, PA), and regional Army or Department of Defense Contracting agencies. The Theater Contracting Command in Europe is utilized to purchase vehicles for requirements in Europe.</p> <p>There will be multiple contractors for FY20 Cargo Truck. A quantity of four were awarded to Ford Motor Company (Dearborn Heights, MI), a quantity of ten to FCA US LLC (Auburn Hills, MI), a quantity of three to TGUSA, LLC (Vienna, VA), and a quantity of two to Futurebud International, Inc. (Japan). An additional quantity of two cargo trucks have not yet been awarded.</p> <p>There will be multiple contractors for FY20 Carryall Truck. A quantity of nine were awarded to FCA US LLC (Auburn Hills, MI), a quantity of four to GM Government Sales (Detroit, MI), a quantity of one to Ford Motor Company (Dearborn Heights, MI), a quantity of 17 to TG USA LLC (Vienna, VA), a quantity of six to Nissan Motor Sales Co. (Japan), and a quantity of nine to Sy Trade (South Korea). An additional quantity of 13 carryall trucks have not yet been awarded.</p> <p>There will be multiple contractors for FY20 Tractor Truck. A quantity of four were awarded to Navistar, Inc. (Knoxville, TN), a quantity of four to Truck Country of Wisconsin (Kaukauna, WI), and a quantity of one to Mack Defense (Allentown, PA). An additional quantity of eight tractor trucks have not yet been awarded.</p> <p>There will be multiple contractors for FY20 Stake Truck. A quantity of three were awarded to Iveco Sud-West Nutzfahrzeuge GMBH (Germany). An additional quantity of three stake trucks have not yet been awarded.</p> <p>There will be multiple contractors for FY20 Fuel Servicing Truck. A quantity of three were awarded to Global Enterprise (Alexandria, VA), a quantity of one to Skymark Refuelers, LLC (Kansas City, KS), a quantity of one to Longhorn Regional Service Center, LLC (Killeen, TX), a quantity of one to XCORP (South Korea), and a quantity of two to Isometrics Inc. (Reidsville, NC). An additional quantity of 10 fuel serving trucks have not yet been awarded.</p> <p>There will be multiple contractors for FY20 Flatbed Truck. A quantity of one was awarded to Navistar, Inc. (Knoxville, TN) and another quantity of one to Johnsons of Kingfisher (Kingfisher, OK). An additional quantity of two flatbed trucks have not yet been awarded.</p> <p>There will be multiple contractors for FY20 Truck Van Instrumentation. A quantity of three were awarded to Techops Specialty Vehicles (Stevensville, MD). An additional quantity of 12 instrumentation trucks have not yet been awarded.</p>		

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 20		P-1 Line Item Number / Title: 2450D30000 / NonTactical Vehicles, Other
		Item Number / Title [DODIC]: DV0014 / SPECIAL PURPOSE VEHICLES

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity (Units in Each)	-	63	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	335.619	9.650	-	6.528	-	6.528
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	335.619	9.650	-	6.528	-	6.528
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	335.619	9.650	-	6.528	-	6.528

(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)	-	153.175	-	-	-	-

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

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 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																		
Dump Truck ^(†)	136.273	11	1.499	150.500	4	0.602	-	-	-	131.143	7	0.918	-	-	-	131.143	7	0.918
Servicing Platform Truck ^(†)	184.588	17	3.138	169.875	16	2.718	-	-	-	173.000	7	1.211	-	-	-	173.000	7	1.211
Line Construction Maint. Truck ^(†)	230.000	2	0.460	237.750	4	0.951	-	-	-	244.000	2	0.488	-	-	-	244.000	2	0.488
Sludge Disposal Truck ^(†)	337.000	3	1.011	254.000	8	2.032	-	-	-	260.000	7	1.820	-	-	-	260.000	7	1.820
Refuse Collection Truck ^(†)	262.333	3	0.787	265.200	5	1.326	-	-	-	270.000	3	0.810	-	-	-	270.000	3	0.810
Multi-Purpose Truck ^(†)	-	-	-	295.250	4	1.181	-	-	-	-	-	-	-	-	-	-	-	-
Refuse Container Handling Truck	180.000	1	0.180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Special Purpose Vehicles ^(†)	11,733.714	28	328.544	38.182	22	0.840	-	-	-	75.353	17	1.281	-	-	-	75.353	17	1.281
<i>Subtotal: Recurring Cost</i>	-	-	335.619	-	-	9.650	-	-	-	-	-	6.528	-	-	-	-	-	6.528
<i>Subtotal: Flyaway Cost</i>	-	-	335.619	-	-	9.650	-	-	-	-	-	6.528	-	-	-	-	-	6.528
Gross/Weapon System Cost	-	-	335.619	153.175	63	9.650	-	-	-	-	-	6.528	-	-	-	-	-	6.528

Remarks:

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Exhibit P-5, Cost Analysis: PB 2022 Army		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 20	P-1 Line Item Number / Title: 2450D30000 / NonTactical Vehicles, Other	Item Number / Title [DODIC]: DV0014 / SPECIAL PURPOSE VEHICLES

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

The Non Tactical Vehicles Other programs (and the cost elements within these programs) will experience price fluctuations from year to year. This is due to the commercial vehicle types in this program, which are not procured to standard specifications.

Secondary Distribution		FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Army	Quantity	63	-	-	-	-
	Total Obligation Authority	9.650	-	6.404	-	6.404
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	0.124	-	0.124
Total:	Quantity	63	-	-	-	-
Secondary Distribution	Total Obligation Authority	9.650	-	6.528	-	6.528

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

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Exhibit P-5a, Procurement History and Planning: PB 2022 Army							Date: May 2021				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 20			P-1 Line Item Number / Title: 2450D30000 / NonTactical Vehicles, Other				Item Number / Title [DODIC]: DV0014 / SPECIAL PURPOSE VEHICLES				

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
Dump Truck		2020	Multiple / Multiple	C / FP	GSA, Washington DC	Aug 2020	Jul 2021	4	150.500	N		
Dump Truck		2022	TBS / TBS	C / FP	GSA, Washington DC	Apr 2022	Oct 2022	7	131.143	N		
Servicing Platform Truck		2020	Multiple / Multiple	C / FP	GSA, Washington DC	Jul 2020	Feb 2021	16	169.875	N		
Servicing Platform Truck		2022	TBS / TBS	C / FP	GSA, Washington DC	Jun 2022	Jan 2023	7	173.000	N		
Line Construction Maint. Truck		2020	Multiple / Multiple	C / FP	GSA, Washington DC	Aug 2020	Sep 2021	4	237.750	N		
Line Construction Maint. Truck		2022	TBS / TBS	C / FP	GSA, Washington DC	May 2022	Dec 2022	2	244.000	N		
Sludge Disposal Truck		2020	Multiple / Multiple	C / FP	GSA, Washington DC	Aug 2020	Feb 2021	8	254.000	N		
Sludge Disposal Truck		2022	TBS / TBS	C / FP	GSA, Washington DC	Jun 2022	Jan 2023	7	260.000	N		
Refuse Collection Truck		2020	Multiple / Multiple	C / FP	GSA, Washington DC	Sep 2020	Mar 2021	5	265.200	N		
Refuse Collection Truck		2022	TBS / TBS	C / FP	GSA, Washington DC	Jun 2022	Dec 2022	3	270.000	N		
Multi-Purpose Truck		2020	Multiple / Multiple	C / FP	Europe Contracting Command, Germany	Jul 2020	Dec 2020	4	295.250	N		
Special Purpose Vehicles		2020	TBS / TBS	C / FP	GSA, Washington DC	Jun 2021	Dec 2021	22	38.182	N		
Special Purpose Vehicles		2022	TBS / TBS	C / FP	GSA, Washington DC	Jun 2022	Dec 2022	17	75.353	N		

Remarks:

There are multiple contracts, contractors, and PCOs for Special Purpose Vehicles. The primary PCO is General Services Administration in Washington, DC. Delivery orders are placed against these GSA contracts by Army contract agencies. Occasionally other PCO sources are utilized to procure vehicles that are not available on GSA contract, such as TACOM (Warren, MI), Defense Logistics Agency (Philadelphia, PA), and regional Army or Department of Defense Contracting agencies. The Theater Contracting Command in Europe is utilized to purchase vehicles for requirements in Europe.

There will be multiple contractors for FY20 Dump Truck. A quantity of one was awarded to Brasada Northside Ford (San Antonio, TX) and another quantity of one was awarded to Mack Defense (Allentown, PA). An additional quantity of two dump trucks have not yet been awarded.

There will be multiple contractors for FY20 Servicing Platform Truck. A quantity of nine were awarded to Federal Contract Corp (Tampa, FL), a quantity of two to Altec Industries (Birmingham, AL), and a quantity of one to Global Enterprise, Inc. (Alexandria, VA). An additional quantity of four servicing platform trucks have not yet been awarded.

There will be multiple contractors for FY20 Line Construction Maintenance Truck. A quantity of one was awarded to Altec Industries (Birmingham, AL). An additional quantity of three line construction maintenance trucks have not yet been awarded.

There will be multiple contractors for FY20 Sludge Disposal Truck. A quantity of four were awarded to Global Enterprise, Inc. (Alexandria, VA). An additional quantity of four sludge disposal trucks have not yet been awarded.

There will be multiple contractors for FY20 Refuse Collection Truck. A quantity of three were awarded to Maryland Industrial Trucks, Inc. (Linthicum Heights, MD). An additional quantity of two refuse collection trucks have not yet been awarded.

There will be multiple contractors for FY20 Multi-Purpose Truck. A quantity of three were awarded to Bukkehave, Inc. (Fort Lauderdale, FL). An additional quantity of one multi-purpose truck has not yet been awarded.