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**Department of Defense
Fiscal Year (FY) 2021 Budget Estimates**

February 2020



Army

Justification Book of

Other Procurement, Army

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

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Army • Budget Estimates FY 2021 • Procurement

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Cost Statement

The following Justification Books were prepared at a cost of \$460,860: 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 6, Budget Activity 7, and Budget Activity 8.

PROCUREMENT

Department of Defense Appropriations Act, 2021

OTHER PROCUREMENT, ARMY

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, \$9,549,283,000 to remain available for obligation until September 30, 2023.

The Fiscal Year (FY) 2021 Overseas Contingency Operations funding can be separated into the following categories:

- OCO for Direct War Costs (\$443,991,000.00): 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.
- OCO for Enduring Requirements (\$480,086,000.00): OCO for 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.
- OCO for Base Requirements (\$0): OCO for Base Requirements is funding to pay for base budget requirements for readiness and other support activities that are financed in the OCO budget in order for the Department to comply with the Bipartisan Budget Act (BBA) of 2019.

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Department of the Army
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

15 Jan 2020

<u>Appropriation</u>	<u>FY 2019 (Base + OCO)</u>	<u>FY 2020 Base Enacted</u>	<u>FY 2020 OCO Enacted</u>	<u>FY 2020 Emergency (Included in Base Enacted)</u>
Other Procurement, Army	9,240,568	7,581,524	1,080,504	
Total Department of the Army	9,240,568	7,581,524	1,080,504	

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Department of the Army
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 (Dollars in Thousands)

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Appropriation	FY 2020 Total Enacted (Base + OCO)	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs
Other Procurement, Army	8,662,028	8,625,206		924,077
Total Department of the Army	8,662,028	8,625,206		924,077

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Department of the Army
FY 2021 President's Budget
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Total Obligational Authority
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15 Jan 2020

<u>Appropriation</u>	<u>FY 2021 Total OCO</u>	<u>FY 2021 Total (Base + OCO)</u>
Other Procurement, Army	924,077	9,549,283
Total Department of the Army	924,077	9,549,283

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Department of the Army
 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

15 Jan 2020

Appropriation: Other Procurement, Army

Budget Activity	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 OCO Enacted	FY 2020 Emergency (Included in Base Enacted)
01. Tactical and Support Vehicles	2,423,219	1,842,185	183,107	
02. Communications and Electronics Equipment	4,761,456	3,742,097	440,861	
03. Other Support Equipment	2,046,076	1,987,485	456,536	
04. Spare and Repair Parts	9,817	9,757		
Total Other Procurement, Army	9,240,568	7,581,524	1,080,504	

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Department of the Army
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15 Jan 2020

Appropriation: Other Procurement, Army

Budget Activity	FY 2020 Total Enacted (Base + OCO)	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs
01. Tactical and Support Vehicles	2,025,292	1,457,919		48,729
02. Communications and Electronics Equipment	4,182,958	5,202,031		445,910
03. Other Support Equipment	2,444,021	1,955,306		429,438
04. Spare and Repair Parts	9,757	9,950		
Total Other Procurement, Army	8,662,028	8,625,206		924,077

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Appropriation: Other Procurement, Army

<u>Budget Activity</u>	<u>FY 2021 Total OCO</u>	<u>FY 2021 Total (Base + OCO)</u>
01. Tactical and Support Vehicles	48,729	1,506,648
02. Communications and Electronics Equipment	445,910	5,647,941
03. Other Support Equipment	429,438	2,384,744
04. Spare and Repair Parts		9,950
Total Other Procurement, Army	924,077	9,549,283

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15 Jan 2020

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO)		FY 2020 Base Enacted		FY 2020 OCO Enacted		FY 2020 Emergency (Included in Base Enacted)		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Tactical and Support Vehicles											
Tactical Vehicles											
1	Tactical Trailers/Dolly Sets	A		8,850		12,993					U
2	Semitrailers, Flatbed:	A		29,941		102,386					U
3	Semitrailers, tankers	A									U
4	HI MOB MULTI-PURP WHLD VEH (HMMWV)			190,893		127,271					U
5	Ground Mobility Vehicles (GMV)	A		42,695		37,038					U
6	ARNG HMMWV Modernization Program	A		100,000		100,000					U
7	JOINT LIGHT TACTICAL VEHICLE	A	3557	1,279,437		972,407					U
8	JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICL	A									U
9	TRUCK, DUMP, 20T (CCE)			5,061		10,838					U
10	Family Of Medium Tactical Veh (FMTV)			123,464		138,057					U
11	Family of Cold Weather All-Terrain Vehicle (C	A									U
12	Firetrucks & Associated Firefighting Equip			14,842		28,048					U
13	Family Of Heavy Tactical Vehicles (FHTV)			160,897		9,969		26,917			U
14	PLS ESP	A				6,280		16,941			U
15	Hvy Expanded Mobile Tactical Truck Ext Serv			109,764		131,841		62,734			U
16	HMMWV Recapitalization Program					30,734					U
17	Tactical Wheeled Vehicle Protection Kits	A		83,138		45,113		50,000			U

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Department of the Army
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 (Dollars in Thousands)

15 Jan 2020

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2020 Total Enacted (Base + OCO)		FY 2021 Base		FY 2021 OCC for Base Requirements		FY 2021 OCO for Direct War and Enduring Costs		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
<u>Budget Activity 01: Tactical and Support Vehicles</u>											
Tactical Vehicles											
1	Tactical Trailers/Dolly Sets	A		12,993		12,986					U
2	Semitrailers, Flatbed:	A		102,386		31,443					U
3	Semitrailers, tankers	A				17,082					U
4	HI MOB MULTI-PURP WHLD VEH (HMMWV)			127,271		44,795					U
5	Ground Mobility Vehicles (GMV)	A		37,038		37,932					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				894,414					U
9	TRUCK, DUMP, 20T (CCE)			10,838		29,368					U
10	Family Of Medium Tactical Veh (FMTV)			138,057		95,092					U
11	Family of Cold Weather All-Terrain Vehicle (C	A				999					U
12	Firetrucks & Associated Firefighting Equip			28,048		27,687					U
13	Family Of Heavy Tactical Vehicles (FHTV)			36,886					6,500		U
14	PLS ESP	A		23,221		21,969			15,163		U
15	Hvy Expanded Mobile Tactical Truck Ext Serv			194,575		65,635					U
16	HMMWV Recapitalization Program			30,734		5,927					U
17	Tactical Wheeled Vehicle Protection Kits	A		95,113		36,497			27,066		U

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Line No	Item Nomenclature	Ident Code	FY 2021 Total		FY 2021 Total		S e c
			Quantity	Cost	(Base + OCO) Quantity	Cost	
<u>Budget Activity 01: Tactical and Support Vehicles</u>							
Tactical Vehicles							
1	Tactical Trailers/Dolly Sets	A			12,986		U
2	Semitrailers, Flatbed:	A			31,443		U
3	Semitrailers, tankers	A			17,082		U
4	HI MOB MULTI-PURP WHLD VEH (HMMWV)				44,795		U
5	Ground Mobility Vehicles (GMV)	A			37,932		U
6	ARNG HMMWV Modernization Program	A					U
7	JOINT LIGHT TACTICAL VEHICLE	A					U
8	JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICL	A			894,414		U
9	TRUCK, DUMP, 20T (CCE)				29,368		U
10	Family Of Medium Tactical Veh (FMTV)				95,092		U
11	Family of Cold Weather All-Terrain Vehicle (C	A			999		U
12	Firetrucks & Associated Firefighting Equip				27,687		U
13	Family Of Heavy Tactical Vehicles (FHTV)			6,500	6,500		U
14	PLS ESP	A		15,163	37,132		U
15	Hvy Expanded Mobile Tactical Truck Ext Serv				65,635		U
16	HMMWV Recapitalization Program				5,927		U
17	Tactical Wheeled Vehicle Protection Kits	A		27,066	63,563		U

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Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO)		FY 2020 Base Enacted		FY 2020 OCO Enacted		FY 2020 Emergency (Included in Base Enacted)		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
18	Modification Of In Svc Equip			256,642		57,112		26,515			U
	Non-Tactical Vehicles										
19	Heavy Armored Vehicle			790		791					U
20	Passenger Carrying Vehicles			1,390		1,416					U
21	NonTactical Vehicles, Other	A		15,415		29,891					U
Total Tactical and Support Vehicles				2,423,219		1,842,185		183,107			
Budget Activity 02: Communications and Electronics Equipment											
Comm - Joint Communications											
22	Signal Modernization Program	A		82,180		128,913					U
23	Tactical Network Technology Mod In Svc	A		568,367		443,439		40,000			U
24	SITUATION INFORMATION TRANSPORT	A		64,517		46,693					U
25	Joint Incident Site Communications Capability	A		13,895							U
26	JCSE Equipment (USRDECOM)			4,866		5,075					U
Comm - Satellite Communications											
27	Spectrum METSAT	A		9,176							U
28	Spectrum Portal	A		44							U
29	Defense Enterprise Wideband Satcom Systems			96,633		98,399					U
30	Transportable Tactical Command Communications	A		77,060		92,141		6,930			U
31	SHF Term			10,378		15,054					U

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Line No	Item Nomenclature	Ident Code	FY 2020 Total Enacted (Base + OCO)		FY 2021 Base		FY 2021 OCO for Base Requirements		FY 2021 OCO for Direct War and Enduring Costs		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
18	Modification Of In Svc Equip			83,627		114,977					U
	Non-Tactical Vehicles										
19	Heavy Armored Vehicle			791							U
20	Passenger Carrying Vehicles			1,416		1,246					U
21	NonTactical Vehicles, Other	A		29,891		19,870					U
Total Tactical and Support Vehicles				2,025,292		1,457,919				48,729	
Budget Activity 02: Communications and Electronics Equipment											
Comm - Joint Communications											
22	Signal Modernization Program	A		128,913		160,469					U
23	Tactical Network Technology Mod In Svc	A		483,439		360,379					U
24	SITUATION INFORMATION TRANSPORT	A		46,693		63,396					U
25	Joint Incident Site Communications Capability	A									U
26	JCSE Equipment (USRDECOM)			5,075		5,170					U
Comm - Satellite Communications											
27	Spectrum METSAT	A									U
28	Spectrum Portal	A									U
29	Defense Enterprise Wideband Satcom Systems			98,399		101,498					U
30	Transportable Tactical Command Communications	A		99,071		72,450			2,700		U
31	SHF Term			15,054		13,173					U

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Line No	Item Nomenclature	Ident Code	FY 2021 Total		FY 2021 Total		S e c
			Quantity	Cost	(Base + OCO) Quantity	Cost	
18	Modification Of In Svc Equip				114,977		U
	Non-Tactical Vehicles						
19	Heavy Armored Vehicle						U
20	Passenger Carrying Vehicles				1,246		U
21	NonTactical Vehicles, Other	A			19,870		U
	Total Tactical and Support Vehicles			48,729	1,506,648		
<u>Budget Activity 02: Communications and Electronics Equipment</u>							
Comm - Joint Communications							
22	Signal Modernization Program	A			160,469		U
23	Tactical Network Technology Mod In Svc	A			360,379		U
24	SITUATION INFORMATION TRANSPORT	A			63,396		U
25	Joint Incident Site Communications Capability	A					U
26	JCSE Equipment (USRDECOM)				5,170		U
Comm - Satellite Communications							
27	Spectrum METSAT	A					U
28	Spectrum Portal	A					U
29	Defense Enterprise Wideband Satcom Systems				101,498		U
30	Transportable Tactical Command Communications	A		2,700	75,150		U
31	SHF Term				13,173		U

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Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO)		FY 2020 Base Enacted		FY 2020 OCO Enacted		FY 2020 Emergency (Included in Base Enacted)		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
32	Assured Positioning, Navigation and Timing	A			31,674		11,778				U
33	SMART-T (SPACE)			19,160	10,515		825				U
34	Global Brdcst Svc - GBS			17,682	11,800						U
35	ENROUTE MISSION COMMAND (EMC)	A		37,401	8,609						U
Comm - C3 System											
36	COE Tactical Server Infrastructure (TSI)	A		20,500	67,533						U
Comm - Combat Communications											
37	Handheld Manpack Small Form Fit (HMS)	A		298,475	468,026						U
38	Radio Terminal Set, MIDS LVT(2)	A		6,741	23,778		350				U
39	TRACTOR DESK			1,187							U
40	Tractor Ride			21,601							U
41	Spider Family of Networked Munitions Incr	A		13,345	10,930						U
42	Tactical Communications And Protective System	A		10,368							U
43	Unified Command Suite	A		16,270	18,291						U
44	COTS Communications Equipment	A		85,835	55,630		20,400				U
45	Family of Med Comm for Combat Casualty Care	A		22,226	16,590		1,231				U
46	Army Communications & Electronics	A			37,856						U
Comm - Intelligence Comm											
48	CI Automation Architecture (MIP)	A		27,356	10,470		6,200				U
49	Defense Military Deception Initiative	A		2,667	3,704						U

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 (Dollars in Thousands)

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Line No	Item Nomenclature	Ident Code	FY 2020 Total Enacted (Base + OCO)		FY 2021 Base		FY 2021 OCO for Base Requirements		FY 2021 OCO for Direct War and Enduring Costs		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
32	Assured Positioning, Navigation and Timing	A		43,452		134,928				12,566	U
33	SMART-T (SPACE)			11,340		8,611				289	U
34	Global Brdcst Svc - GBS			11,800		8,191				319	U
35	ENROUTE MISSION COMMAND (EMC)	A		8,609							U
Comm - C3 System											
36	COE Tactical Server Infrastructure (TSI)	A		67,533		94,871					U
Comm - Combat Communications											
37	Handheld Manpack Small Form Fit (HMS)	A		468,026		550,848					U
38	Radio Terminal Set, MIDS LVT(2)	A		24,128		8,237					U
39	TRACTOR DESK										U
40	Tractor Ride										U
41	Spider Family of Networked Munitions Incr	A		10,930		13,967					U
42	Tactical Communications And Protective System	A									U
43	Unified Command Suite	A		18,291		19,579					U
44	COTS Communications Equipment	A		76,030		94,156					U
45	Family of Med Comm for Combat Casualty Care	A		17,821		18,313				1,257	U
46	Army Communications & Electronics	A		37,856		51,480					U
Comm - Intelligence Comm											
48	CI Automation Architecture (MIP)	A		16,670		13,146				1,230	U
49	Defense Military Deception Initiative	A		3,704		5,624					U

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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2021 Total		FY 2021 Total		S e c
			Quantity	Cost	(Base + OCO) Quantity	Cost	
32	Assured Positioning, Navigation and Timing	A		12,566		147,494	U
33	SMART-T (SPACE)			289		8,900	U
34	Global Brdcst Svc - GBS			319		8,510	U
35	ENROUTE MISSION COMMAND (EMC)	A					U
Comm - C3 System							
36	COE Tactical Server Infrastructure (TSI)	A				94,871	U
Comm - Combat Communications							
37	Handheld Manpack Small Form Fit (HMS)	A				550,848	U
38	Radio Terminal Set, MIDS LVT(2)	A				8,237	U
39	TRACTOR DESK						U
40	Tractor Ride						U
41	Spider Family of Networked Munitions Incr	A				13,967	U
42	Tactical Communications And Protective System	A					U
43	Unified Command Suite	A				19,579	U
44	COTS Communications Equipment	A				94,156	U
45	Family of Med Comm for Combat Casualty Care	A		1,257		19,570	U
46	Army Communications & Electronics	A				51,480	U
Comm - Intelligence Comm							
48	CI Automation Architecture (MIP)	A		1,230		14,376	U
49	Defense Military Deception Initiative	A				5,624	U

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Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO)		FY 2020 Base Enacted		FY 2020 OCO Enacted		FY 2020 Emergency (Included in Base Enacted)		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Information Security											
50	FAMILY OF BIOMETRICS	A		8,319	1,000						U
51	Information System Security Program-ISSP	A		2,000	3,600						U
52	Communications Security (COMSEC)	A		65,580	147,097						U
53	Defensive CYBER Operations	A		51,343	56,962						U
54	Insider Threat Program - Unit Activity Monito	A		330	756						U
55	Persistent Cyber Training Environment	A		3,000	3,000						U
56	Items Less Than \$5M (Info Security)	A									U
Comm - Long Haul Communications											
57	Base Support Communications			50,247	31,770		20,482				U
Comm - Base Communications											
58	Information Systems			80,064	159,009		55,800				U
59	Emergency Management Modernization Program	A		3,789	4,854						U
60	Home Station Mission Command Centers (HSMCC)	A		24,479	47,174						U
61	Joint Information Environment (JIE)	A									U
62	Installation Info Infrastructure Mod Program	A		246,770	265,494		75,820				U
Elect Equip - Tact Int Rel Act (TIARA)											
65	JTT/CIBS-M (MIP)	B		9,027	7,686						U
66	TERRESTRIAL LAYER SYSTEMS (TLS) (MIP)										U
67	DRUG INTERDICTION PROGRAM (DIP) (TIARA)			3,711							U

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Line No	Item Nomenclature	Ident Code	FY 2020 Total Enacted (Base + OCO)		FY 2021 Base		FY 2021 OCO for Base Requirements		FY 2021 OCO for Direct War and Enduring Costs		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Information Security											
50	FAMILY OF BIOMETRICS	A		1,000							U
51	Information System Security Program-ISSP	A		3,600		4,596					U
52	Communications Security (COMSEC)	A		147,097		159,272				128	U
53	Defensive CYBER Operations	A		56,962		54,753					U
54	Insider Threat Program - Unit Activity Monito	A		756		1,760					U
55	Persistent Cyber Training Environment	A		3,000							U
56	Items Less Than \$5M (Info Security)	A				260					U
Comm - Long Haul Communications											
57	Base Support Communications			52,252		29,761					U
Comm - Base Communications											
58	Information Systems			214,809		147,696				15,277	U
59	Emergency Management Modernization Program	A		4,854		4,900					U
60	Home Station Mission Command Centers (HSMCC)	A		47,174		15,227					U
61	Joint Information Environment (JIE)	A				3,177					U
62	Installation Info Infrastructure Mod Program	A		341,314		300,035				74,004	U
Elect Equip - Tact Int Rel Act (TIARA)											
65	JTT/CIBS-M (MIP)	B		7,686		5,304					U
66	TERRESTRIAL LAYER SYSTEMS (TLS) (MIP)					8,081					U
67	DRUG INTERDICTION PROGRAM (DIP) (TIARA)										U

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Line No	Item Nomenclature	Ident Code	FY 2021 Total		FY 2021 Total		S e c
			Quantity	Cost	(Base + OCO) Quantity	Cost	
Information Security							
50	FAMILY OF BIOMETRICS	A					U
51	Information System Security Program-ISSP	A			4,596		U
52	Communications Security (COMSEC)	A		128	159,400		U
53	Defensive CYBER Operations	A			54,753		U
54	Insider Threat Program - Unit Activity Monito	A			1,760		U
55	Persistent Cyber Training Environment	A					U
56	Items Less Than \$5M (Info Security)	A			260		U
Comm - Long Haul Communications							
57	Base Support Communications				29,761		U
Comm - Base Communications							
58	Information Systems			15,277	162,973		U
59	Emergency Management Modernization Program	A			4,900		U
60	Home Station Mission Command Centers (HSMCC)	A			15,227		U
61	Joint Information Environment (JIE)	A			3,177		U
62	Installation Info Infrastructure Mod Program	A		74,004	374,039		U
Elect Equip - Tact Int Rel Act (TIARA)							
65	JTT/CIBS-M (MIP)	B			5,304		U
66	TERRESTRIAL LAYER SYSTEMS (TLS) (MIP)				8,081		U
67	DRUG INTERDICTION PROGRAM (DIP) (TIARA)						U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
68	DCGS-A (MIP)			298,270		166,606		38,613			U
69	Joint Tactical Ground Station (JTAGS) (MIP)	A		5,434							U
70	TROJAN (MIP)	B		27,549		17,368		1,337			U
71	Mod of In-Svc Equip (INTEL SPT) (MIP)			49,184		59,052		2,051			U
72	CI HUMINT Auto Reprting & Coll(CHARCS) (MIP)			296							U
73	Biometric Tactical Collection Devices (MIP)	A		5,370				1,800			U
74	Items Less Than \$5.0M (MIP)			410							U
Elect Equip - Electronic Warfare (EW)											
75	Lightweight Counter Mortar Radar	A		6,107		5,400					U
76	EW Planning & Management Tools (EWPMT)	A		4,700		7,568					U
77	Air Vigilance (AV) (MIP)	A		8,497		8,953					U
78	CREW			42,651							U
79	Multi-Function Electronic Warfare (MFEW) Syst	A									U
80	Family of Persistent Surveillance Cap. (MIP)	A		20,050				31,493			U
81	Counterintelligence/Security Countermeasures			29,554		501		6,917			U
82	CI Modernization (MIP)	A		486		121					U
Elect Equip - Tactical Surv. (Tac Surv)											
83	Sentinel Mods			77,752		113,910		20,000			U
84	Night Vision Devices	A		153,451		81,526		3,676			U
85	Long Range Advanced Scout Surveillance System			2,861							U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
68	DCGS-A (MIP)			205,219		151,886			47,709		U
69	Joint Tactical Ground Station (JTAGS) (MIP)	A									U
70	TROJAN (MIP)	B		18,705		17,593			1,766		U
71	Mod of In-Svc Equip (INTEL SPT) (MIP)			61,103		28,558			61,450		U
72	CI HUMINT Auto Reprting & Coll(CHARCS) (MIP)										U
73	Biometric Tactical Collection Devices (MIP)	A		1,800		999			12,337		U
74	Items Less Than \$5.0M (MIP)										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					U
77	Air Vigilance (AV) (MIP)	A		8,953		8,160					U
78	CREW										U
79	Multi-Function Electronic Warfare (MFEW) Syst	A				8,669					U
80	Family of Persistent Surveillance Cap. (MIP)	A		31,493					44,293		U
81	Counterintelligence/Security Countermeasures			7,418					49,100		U
82	CI Modernization (MIP)	A		121		300					U
Elect Equip - Tactical Surv. (Tac Surv)											
83	Sentinel Mods			133,910		58,884			33,496		U
84	Night Vision Devices	A		85,202		1,127,375			643		U
85	Long Range Advanced Scout Surveillance System										U

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			Quantity	Cost	(Base + OCO) Quantity	Cost	
68	DCGS-A (MIP)			47,709		199,595	U
69	Joint Tactical Ground Station (JTAGS) (MIP)	A					U
70	TROJAN (MIP)	B		1,766		19,359	U
71	Mod of In-Svc Equip (INTEL SPT) (MIP)			61,450		90,008	U
72	CI HUMINT Auto Reprting & Coll (CHARCS) (MIP)						U
73	Biometric Tactical Collection Devices (MIP)	A		12,337		13,336	U
74	Items Less Than \$5.0M (MIP)						U
Elect Equip - Electronic Warfare (EW)							
75	Lightweight Counter Mortar Radar	A				5,332	U
76	EW Planning & Management Tools (EWPMT)	A				7,849	U
77	Air Vigilance (AV) (MIP)	A				8,160	U
78	CREW						U
79	Multi-Function Electronic Warfare (MFEW) Syst	A				8,669	U
80	Family of Persistent Surveillance Cap. (MIP)	A		44,293		44,293	U
81	Counterintelligence/Security Countermeasures			49,100		49,100	U
82	CI Modernization (MIP)	A				300	U
Elect Equip - Tactical Surv. (Tac Surv)							
83	Sentinel Mods			33,496		92,380	U
84	Night Vision Devices	A		643		1,128,018	U
85	Long Range Advanced Scout Surveillance System						U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
86	Small Tactical Optical Rifle Mounted MLRF			16,990		22,623					U
87	RADIATION MONITORING SYSTEMS			17,393							U
88	Indirect Fire Protection Family Of Systems	A		291,497		29,127					U
89	FAMILY OF WEAPON SIGHTS (FWS)	A		113,630		81,541					U
90	Profiler			171							U
91	JOINT BATTLE COMMAND - PLATFORM (JBC-P)	A		401,991		256,546		25,568			U
92	JOINT EFFECTS TARGETING SYSTEM (JETS)			66,574		25,330					U
93	Mod Of In-Svc Equip (LLDR)	A		24,833		6,044					U
94	Computer Ballistics: LHMBC XM32	A		9,513		3,268		570			U
95	Mortar Fire Control System			29,149		13,199		15,975			U
96	Mortar Fire Control Systems Modifications					10,000					U
97	Counterfire Radars			324,150		16,416					U
Elect Equip - Tactical C2 Systems											
98	Army Command Post Integrated Infrastructure (A		2,284							U
99	Fire Support C2 Family	A		19,724		13,197					U
100	AIR & MSL Defense Planning & Control Sys			29,913		24,730		14,331			U
101	IAMD Battle Command System	A				29,629					U
102	Life Cycle Software Support (LCSS)			6,163		6,774					U
103	Network Management Initialization and Service	A		15,087		24,448					U
104	Maneuver Control System (MCS)	A		29,144		260					U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
86	Small Tactical Optical Rifle Mounted MLRF			22,623		13,954					U
87	RADIATION MONITORING SYSTEMS									11	U
88	Indirect Fire Protection Family Of Systems	A		29,127		10,069				37,000	U
89	FAMILY OF WEAPON SIGHTS (FWS)	A		81,541		133,590					U
90	Profiler										U
91	JOINT BATTLE COMMAND - PLATFORM (JBC-P)	A		282,114		243,850					U
92	JOINT EFFECTS TARGETING SYSTEM (JETS)			25,330		69,641					U
93	Mod Of In-Svc Equip (LLDR)	A		6,044							U
94	Computer Ballistics: LHMBC XM32	A		3,838		7,509				280	U
95	Mortar Fire Control System			29,174		3,800				13,672	U
96	Mortar Fire Control Systems Modifications			10,000		7,292					U
97	Counterfire Radars			16,416		72,421					U
Elect Equip - Tactical C2 Systems											
98	Army Command Post Integrated Infrastructure (A				49,947					U
99	Fire Support C2 Family	A		13,197		9,390					U
100	AIR & MSL Defense Planning & Control Sys			39,061		47,374				15,143	U
101	IAMD Battle Command System	A		29,629		201,587					U
102	Life Cycle Software Support (LCSS)			6,774		4,495					U
103	Network Management Initialization and Service	A		24,448		18,651					U
104	Maneuver Control System (MCS)	A		260							U

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			Quantity	Cost	Quantity	Cost	
86	Small Tactical Optical Rifle Mounted MLRF				13,954		U
87	RADIATION MONITORING SYSTEMS			11	11		U
88	Indirect Fire Protection Family Of Systems	A		37,000	47,069		U
89	FAMILY OF WEAPON SIGHTS (FWS)	A			133,590		U
90	Profiler						U
91	JOINT BATTLE COMMAND - PLATFORM (JBC-P)	A			243,850		U
92	JOINT EFFECTS TARGETING SYSTEM (JETS)				69,641		U
93	Mod Of In-Svc Equip (LLDR)	A					U
94	Computer Ballistics: LHMBC XM32	A		280	7,789		U
95	Mortar Fire Control System			13,672	17,472		U
96	Mortar Fire Control Systems Modifications				7,292		U
97	Counterfire Radars				72,421		U
Elect Equip - Tactical C2 Systems							
98	Army Command Post Integrated Infrastructure (A			49,947		U
99	Fire Support C2 Family	A			9,390		U
100	AIR & MSL Defense Planning & Control Sys			15,143	62,517		U
101	IAMD Battle Command System	A			201,587		U
102	Life Cycle Software Support (LCSS)				4,495		U
103	Network Management Initialization and Service	A			18,651		U
104	Maneuver Control System (MCS)	A					U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
105	Global Combat Support System-Army (GCSS-A)	A		15,164		8,815					U
106	Integrated Personnel and Pay System-Army (IPP)	A		16,800		14,100					U
107	Reconnaissance and Surveying Instrument Set	A		6,823		11,000					U
108	MOD of In-Svc Equipment (ENFIRE)	A		1,177		15,317					U
	Elect Equip - Automation										
109	Army Training Modernization			12,265		14,578		6,014			U
110	Automated Data Processing Equip			219,812		138,215		32,700			U
111	General Fund Enterprise Business Systems Fam	A		10,976		15,002					U
112	High Perf Computing Mod Pgm (HPCMP)	A		66,330		72,610					U
113	Contract Writing System	A		5,927		6,000					U
114	CSS Communications	A				24,700					U
115	Reserve Component Automation Sys (RCAS)			27,896		27,879					U
	Elect Equip - Audio Visual Sys (A/V)										
116	TACTICAL DIGITAL MEDIA	A		4,392							U
117	Items Less Than \$5M (Surveying Equipment)			1,970		5,000					U
	Elect Equip - Support										
118	Production Base Support (C-E)			15,506							U
119	BCT Emerging Technologies	A		144,500		19,312					U
999	Classified Programs			4,501		11,910					U
Total Communications and Electronics Equipment				4,761,456		3,742,097		440,861			

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
105	Global Combat Support System-Army (GCSS-A)	A		8,815		2,792					U
106	Integrated Personnel and Pay System-Army (IPP)	A		14,100		9,071					U
107	Reconnaissance and Surveying Instrument Set	A		11,000		12,117					U
108	MOD of In-Svc Equipment (ENFIRE)	A		15,317		3,004					U
	Elect Equip - Automation										
109	Army Training Modernization			20,592		14,574			4,688		U
110	Automated Data Processing Equip			170,915		140,619			16,552		U
111	General Fund Enterprise Business Systems Fam	A		15,002		4,448					U
112	High Perf Computing Mod Pgm (HPCMP)	A		72,610		68,405					U
113	Contract Writing System	A		6,000		8,459					U
114	CSS Communications	A		24,700		57,651					U
115	Reserve Component Automation Sys (RCAS)			27,879		14,848					U
	Elect Equip - Audio Visual Sys (A/V)										
116	TACTICAL DIGITAL MEDIA	A									U
117	Items Less Than \$5M (Surveying Equipment)			5,000		4,995					U
	Elect Equip - Support										
118	Production Base Support (C-E)										U
119	BCT Emerging Technologies	A		19,312		16,983					U
999	Classified Programs			11,910		1,582					U
Total Communications and Electronics Equipment				4,182,958		5,202,031			445,910		

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Line No	Item Nomenclature	Ident Code	FY 2021 Total OCO		FY 2021 Total (Base + OCO)		S e c -
			Quantity	Cost	Quantity	Cost	
105	Global Combat Support System-Army (GCSS-A)	A			2,792		U
106	Integrated Personnel and Pay System-Army (IPP)	A			9,071		U
107	Reconnaissance and Surveying Instrument Set	A			12,117		U
108	MOD of In-Svc Equipment (ENFIRE)	A			3,004		U
	Elect Equip - Automation						
109	Army Training Modernization			4,688	19,262		U
110	Automated Data Processing Equip			16,552	157,171		U
111	General Fund Enterprise Business Systems Fam	A			4,448		U
112	High Perf Computing Mod Pgm (HPCMP)	A			68,405		U
113	Contract Writing System	A			8,459		U
114	CSS Communications	A			57,651		U
115	Reserve Component Automation Sys (RCAS)				14,848		U
	Elect Equip - Audio Visual Sys (A/V)						
116	TACTICAL DIGITAL MEDIA	A					U
117	Items Less Than \$5M (Surveying Equipment)				4,995		U
	Elect Equip - Support						
118	Production Base Support (C-E)						U
119	BCT Emerging Technologies	A			16,983		U
999	Classified Programs				1,582		U
	Total Communications and Electronics Equipment			445,910	5,647,941		

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
<u>Budget Activity 03: Other Support Equipment</u>											
Chemical Defensive Equipment											
120	Protective Systems	A		2,341							U
121	Family Of Non-Lethal Equipment (FNLE)	A		33,972	3,000		25,480				U
122	Base Defense Systems (BDS)	A		39,200			39,984				U
123	CBRN Defense	A		189,271	25,828		17,461				U
124	Smoke & Obscurant Family: SOF (Non AAO Item)				5,050						U
Bridging Equipment											
125	Tactical Bridging			81,219	59,821		4,884				U
126	Tactical Bridge, Float-Ribbon			55,145	57,661						U
127	BRIDGE SUPPLEMENTAL SET	A			17,966						U
128	Common Bridge Transporter (CBT) Recap	A		55,392	43,155						U
Engineer (Non-Construction) Equipment											
129	Handheld Standoff Minefield Detection Sys-HST	B		8,471	7,570						U
130	Grnd Standoff Mine Detectn System (GSTAMIDS)			42,001	37,025		3,655				U
131	AREA MINE DETECTION SYSTEM (AMDS)	A		5,797							U
132	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	A		35,834	47,515		28,071				U
133	Robotic Combat Support System (RCSS)			8,879	2,000		3,300				U
134	EOD Robotics Systems Recapitalization	A		17,736	23,115						U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 03: Other Support Equipment											
Chemical Defensive Equipment											
120	Protective Systems	A									U
121	Family Of Non-Lethal Equipment (FNLE)	A		28,480					25,480		U
122	Base Defense Systems (BDS)	A		39,984					98,960		U
123	CBRN Defense	A		43,289		28,456			18,887		U
124	Smoke & Obscurant Family: SOF (Non AAO Item)			5,050		13,995					U
Bridging Equipment											
125	Tactical Bridging			64,705		10,545			50,400		U
126	Tactical Bridge, Float-Ribbon			57,661		72,074					U
127	BRIDGE SUPPLEMENTAL SET	A		17,966		32,493					U
128	Common Bridge Transporter (CBT) Recap	A		43,155		62,978					U
Engineer (Non-Construction) Equipment											
129	Handheld Standoff Minefield Detection Sys-HST	B		7,570		5,570					U
130	Grnd Standoff Mine Detectn Sysm (GSTAMIDS)			40,680		2,497					U
131	AREA MINE DETECTION SYSTEM (AMDS)	A									U
132	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	A		75,586		109,069					U
133	Robotic Combat Support System (RCSS)			5,300							U
134	EOD Robotics Systems Recapitalization	A		23,115		36,584					U

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			Quantity	Cost	(Base + OCO) Quantity	Cost	
<u>Budget Activity 03: Other Support Equipment</u>							
Chemical Defensive Equipment							
120	Protective Systems	A					U
121	Family Of Non-Lethal Equipment (FNLE)	A		25,480		25,480	U
122	Base Defense Systems (BDS)	A		98,960		98,960	U
123	CBRN Defense	A		18,887		47,343	U
124	Smoke & Obscurant Family: SOF (Non AAO Item)					13,995	U
Bridging Equipment							
125	Tactical Bridging			50,400		60,945	U
126	Tactical Bridge, Float-Ribbon					72,074	U
127	BRIDGE SUPPLEMENTAL SET	A				32,493	U
128	Common Bridge Transporter (CBT) Recap	A				62,978	U
Engineer (Non-Construction) Equipment							
129	Handheld Standoff Minefield Detection Sys-HST	B				5,570	U
130	Grnd Standoff Mine Detectn Sysm (GSTAMIDS)					2,497	U
131	AREA MINE DETECTION SYSTEM (AMDS)	A					U
132	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	A				109,069	U
133	Robotic Combat Support System (RCSS)						U
134	EOD Robotics Systems Recapitalization	A				36,584	U

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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO)		FY 2020 Base Enacted		FY 2020 OCO Enacted		FY 2020 Emergency (Included in Base Enacted)		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
135	Robotics and Applique Systems			35,456		101,056					U
136	Remote Demolition Systems	A		1,748							U
137	Render Safe Sets kits Outfits	A				18,684		84,000			U
138	< \$5M, Countermining Equipment	A		5,914							U
139	Family of Boats and Motors	A		8,006		5,745					U
	Combat Service Support Equipment										
140	Heaters and ECU's	A		10,122		7,336		8			U
141	Soldier Enhancement			1,103							U
142	Personnel Recovery Support System (PRSS)	A		10,175		4,281		5,101			U
143	Ground Soldier System	A		36,506		114,505		1,760			U
144	Mobile Soldier Power	A		30,774		29,364					U
145	Force Provider	A		55,800		8,000		56,400			U
146	Field Feeding Equipment			18,556		15,973					U
147	Cargo Aerial Del & Personnel Parachute System			46,835		42,622		2,040			U
148	Family Of Engr Combat and Construction Sets	A		13,010		11,451					U
149	Items Less Than \$5M (Eng Spt)	A		2,000		4,128					U
	Petroleum Equipment										
150	Distribution Systems, Petroleum & Water			26,471		72,118		12,409			U
	Medical Equipment										
151	Combat Support Medical			102,765		98,616		2,735			U

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Line No	Item Nomenclature	Ident Code	FY 2020 Total Enacted (Base + OCO)		FY 2021 Base		FY 2021 OCO for Base Requirements		FY 2021 OCO for Direct War and Enduring Costs		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
135	Robotics and Applique Systems			101,056		179,544					U
136	Remote Demolition Systems	A									U
137	Render Safe Sets kits Outfits	A		102,684		64,583			84,000		U
138	< \$5M, Countermining Equipment	A									U
139	Family of Boats and Motors	A		5,745		5,289					U
	Combat Service Support Equipment										
140	Heaters and ECU's	A		7,344		8,200			370		U
141	Soldier Enhancement										U
142	Personnel Recovery Support System (PRSS)	A		9,382		4,625			3,721		U
143	Ground Soldier System	A		116,265		154,937					U
144	Mobile Soldier Power	A		29,364		34,297					U
145	Force Provider	A		64,400					56,400		U
146	Field Feeding Equipment			15,973					2,279		U
147	Cargo Aerial Del & Personnel Parachute System			44,662		53,021			2,040		U
148	Family Of Engr Combat and Construction Sets	A		11,451		23,324					U
149	Items Less Than \$5M (Eng Spt)	A		4,128		8,014					U
	Petroleum Equipment										
150	Distribution Systems, Petroleum & Water			84,527		78,448			4,374		U
	Medical Equipment										
151	Combat Support Medical			101,351		59,485			6,390		U

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Line No	Item Nomenclature	Ident Code	FY 2021 Total OCO		FY 2021 Total (Base + OCO)		S e c
			Quantity	Cost	Quantity	Cost	
135	Robotics and Applique Systems				179,544		U
136	Remote Demolition Systems	A					U
137	Render Safe Sets kits Outfits	A		84,000	148,583		U
138	< \$5M, Countermining Equipment	A					U
139	Family of Boats and Motors	A			5,289		U
	Combat Service Support Equipment						
140	Heaters and ECU's	A		370	8,570		U
141	Soldier Enhancement						U
142	Personnel Recovery Support System (PRSS)	A		3,721	8,346		U
143	Ground Soldier System	A			154,937		U
144	Mobile Soldier Power	A			34,297		U
145	Force Provider	A		56,400	56,400		U
146	Field Feeding Equipment			2,279	2,279		U
147	Cargo Aerial Del & Personnel Parachute System			2,040	55,061		U
148	Family Of Engr Combat and Construction Sets	A			23,324		U
149	Items Less Than \$5M (Eng Spt)	A			8,014		U
	Petroleum Equipment						
150	Distribution Systems, Petroleum & Water			4,374	82,822		U
	Medical Equipment						
151	Combat Support Medical			6,390	65,875		U

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Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO)		FY 2020 Base Enacted		FY 2020 OCC Enacted		FY 2020 Emergency (Included in Base Enacted)		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Maintenance Equipment											
152	Mobile Maintenance Equipment Systems	A		34,479		140,053					U
153	Items Less Than \$5.0M (Maint Eq)	A		5,253		5,608					U
Construction Equipment											
154	Grader, Road Mtzd, Hvy, 6X4 (CCE)	A									U
155	Scrapers, Earthmoving	A		8,061				3,910			U
156	Loaders							380			U
157	Hydraulic Excavator	B		5,226		500					U
158	Tractor, Full Tracked	A				4,835		8,225			U
159	All Terrain Cranes	A		13,031		23,003					U
160	High Mobility Engineer Excavator (HMEE)	A		71,748		27,188		3,000			U
161	Enhanced Rapid Airfield Construction Capap	B		8,480							U
162	Const Equip ESP			33,289		34,790		3,870			U
163	Items Less Than \$5.0M (Const Equip)	A		6,103		4,381		350			U
Rail Float Containerization Equipment											
164	Army Watercraft Esp	A		8,508		35,194					U
165	Maneuver Support Vessel (MSV)	B				14,185					U
166	Items Less Than \$5.0M (Float/Rail)	A		9,385		6,920					U
Generators											
167	Generators And Associated Equip	A		136,906		113,476		2,436			U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Maintenance Equipment											
152	Mobile Maintenance Equipment Systems	A		140,053		40,337				7,769	U
153	Items Less Than \$5.0M (Maint Eq)	A		5,608		5,386				184	U
Construction Equipment											
154	Grader, Road Mtzd, Hvy, 6X4 (CCE)	A				5,406					U
155	Scrapers, Earthmoving	A		3,910		4,188					U
156	Loaders			380		4,521				3,190	U
157	Hydraulic Excavator	B		500		5,186				7,600	U
158	Tractor, Full Tracked	A		13,060		4,715				7,450	U
159	All Terrain Cranes	A		23,003		70,560					U
160	High Mobility Engineer Excavator (HMEE)	A		30,188						3,703	U
161	Enhanced Rapid Airfield Construction Capap	B									U
162	Const Equip ESP			38,660		8,925				657	U
163	Items Less Than \$5.0M (Const Equip)	A		4,731							U
Rail Float Containerization Equipment											
164	Army Watercraft Esp	A		35,194		40,910					U
165	Maneuver Support Vessel (MSV)	B		14,185		76,576					U
166	Items Less Than \$5.0M (Float/Rail)	A		6,920		1,844					U
Generators											
167	Generators And Associated Equip	A		115,912		53,433				106	U

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Line No	Item Nomenclature	Ident Code	FY 2021 Total OCO		FY 2021 Total (Base + OCO)		S e c -
			Quantity	Cost	Quantity	Cost	
Maintenance Equipment							
152	Mobile Maintenance Equipment Systems	A		7,769	48,106		U
153	Items Less Than \$5.0M (Maint Eq)	A		184	5,570		U
Construction Equipment							
154	Grader, Road Mtzd, Hvy, 6X4 (CCE)	A			5,406		U
155	Scrapers, Earthmoving	A			4,188		U
156	Loaders			3,190	7,711		U
157	Hydraulic Excavator	B		7,600	12,786		U
158	Tractor, Full Tracked	A		7,450	12,165		U
159	All Terrain Cranes	A			70,560		U
160	High Mobility Engineer Excavator (HMEE)	A		3,703	3,703		U
161	Enhanced Rapid Airfield Construction Capap	B					U
162	Const Equip ESP			657	9,582		U
163	Items Less Than \$5.0M (Const Equip)	A					U
Rail Float Containerization Equipment							
164	Army Watercraft Esp	A			40,910		U
165	Maneuver Support Vessel (MSV)	B			76,576		U
166	Items Less Than \$5.0M (Float/Rail)	A			1,844		U
Generators							
167	Generators And Associated Equip	A		106	53,539		U

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Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO)		FY 2020 Base Enacted		FY 2020 OCO Enacted		FY 2020 Emergency (Included in Base Enacted)		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
168	Tactical Electric Power Recapitalization Material Handling Equipment	A		8,333		14,814					U
169	Family Of Forklifts Training Equipment	A		12,901		13,864		5,152			U
170	Combat Training Centers Support			117,584		123,411					U
171	Training Devices, Nonsystem			217,597		213,347		2,106			U
172	Synthetic Training Environment (STE)					14,449					U
173	Close Combat Tactical Trainer	A		33,080							U
174	Aviation Combined Arms Tactical Trainer			32,700		4,840					U
175	Gaming Technology In Support of Army Training Test Measure and Dig Equipment (TMD)			25,161		15,463					U
176	Calibration Sets Equipment			4,270		3,030					U
177	Integrated Family Of Test Equipment (IFTE)			82,037		76,980		1,395			U
178	Test Equipment Modernization (TEMOD) Other Support Equipment			9,316		13,415					U
179	M25 STABILIZED BINOCULAR	A		4,368							U
180	Rapid Equipping Soldier Support Equipment	A		22,429		9,877		18,000			U
181	Physical Security Systems (OPA3)	A		53,836		78,958		10,016			U
182	Base Level Common Equipment			11,139		15,340					U
183	Modification Of In-Svc Equipment (OPA-3)			65,495		73,458		33,354			U

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Line No	Item Nomenclature	Ident Code	FY 2020 Total Enacted (Base + OCO)		FY 2021 Base		FY 2021 OCO for Base Requirements		FY 2021 OCO for Direct War and Enduring Costs		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
168	Tactical Electric Power Recapitalization Material Handling Equipment	A		14,814		22,216					U
169	Family Of Forklifts Training Equipment	A		19,016		16,145			1,885		U
170	Combat Training Centers Support			123,411		90,580					U
171	Training Devices, Nonsystem			215,453		161,814					U
172	Synthetic Training Environment (STE)			14,449		13,063					U
173	Close Combat Tactical Trainer	A									U
174	Aviation Combined Arms Tactical Trainer			4,840							U
175	Gaming Technology In Support of Army Training Test Measure and Dig Equipment (TMD)			15,463		1,950					U
176	Calibration Sets Equipment			3,030		2,511					U
177	Integrated Family Of Test Equipment (IFTE)			78,375		78,578					U
178	Test Equipment Modernization (TEMOD) Other Support Equipment			13,415		14,941					U
179	M25 STABILIZED BINOCULAR	A									U
180	Rapid Equipping Soldier Support Equipment	A		27,877		8,629			8,500		U
181	Physical Security Systems (OPA3)	A		88,974		75,499			3,248		U
182	Base Level Common Equipment			15,340		27,444					U
183	Modification Of In-Svc Equipment (OPA-3)			106,812		32,485					U

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Line No	Item Nomenclature	Ident Code	FY 2021 Total		FY 2021 Total		S e c
			Quantity	Cost	(Base + OCO) Quantity	Cost	
168	Tactical Electric Power Recapitalization Material Handling Equipment	A			22,216		U
169	Family Of Forklifts Training Equipment	A		1,885	18,030		U
170	Combat Training Centers Support				90,580		U
171	Training Devices, Nonsystem				161,814		U
172	Synthetic Training Environment (STE)				13,063		U
173	Close Combat Tactical Trainer	A					U
174	Aviation Combined Arms Tactical Trainer						U
175	Gaming Technology In Support of Army Training Test Measure and Dig Equipment (TMD)				1,950		U
176	Calibration Sets Equipment				2,511		U
177	Integrated Family Of Test Equipment (IFTE)				78,578		U
178	Test Equipment Modernization (TEMOD) Other Support Equipment				14,941		U
179	M25 STABILIZED BINOCULAR	A					U
180	Rapid Equipping Soldier Support Equipment	A		8,500	17,129		U
181	Physical Security Systems (OPA3)	A		3,248	78,747		U
182	Base Level Common Equipment				27,444		U
183	Modification Of In-Svc Equipment (OPA-3)				32,485		U

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Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO)		FY 2020 Base Enacted		FY 2020 OCO Enacted		FY 2020 Emergency (Included in Base Enacted)		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
184	Production Base Support (OTH)			2,301							U
185	BUILDING, PRE-FAB, RELOCATABLE	A		6,000		32,700		77,054			U
186	Special Equipment For User Testing			11,605		9,821					U
187	Special Equipment for Test and Evaluation	B									U
188	TRACTOR YARD			4,956							U
Total Other Support Equipment				2,046,076		1,987,485		456,536			
Budget Activity 04: Spare and Repair Parts											
OPA2											
189	INITIAL SPARES - C&E			9,817		9,757					U
Total Spare and Repair Parts				9,817		9,757					
Total Other Procurement, Army				9,240,568		7,581,524		1,080,504			

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Line No	Item Nomenclature	Ident Code	FY 2020 Total Enacted (Base + OCO)		FY 2021 Base		FY 2021 OCO for Base Requirements		FY 2021 OCO for Direct War and Enduring Costs		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
184	Production Base Support (OTH)										U
185	BUILDING, PRE-FAB, RELOCATABLE	A		109,754						31,845	U
186	Special Equipment For User Testing			9,821							U
187	Special Equipment for Test and Evaluation	B				39,436					U
188	TRACTOR YARD										U
Total Other Support Equipment				2,444,021		1,955,306				429,438	
Budget Activity 04: Spare and Repair Parts											

OPA2											
189	INITIAL SPARES - C&E			9,757		9,950					U
Total Spare and Repair Parts				9,757		9,950					
Total Other Procurement, Army				8,662,028		8,625,206				924,077	

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Line No	Item Nomenclature	Ident Code	FY 2021		FY 2021		S e c
			Quantity	Cost	Quantity	Cost	
184	Production Base Support (OTH)						U
185	BUILDING, PRE-FAB, RELOCATABLE	A		31,845		31,845	U
186	Special Equipment For User Testing						U
187	Special Equipment for Test and Evaluation	B				39,436	U
188	TRACTOR YARD						U
Total Other Support Equipment				429,438		2,384,744	
<u>Budget Activity 04: Spare and Repair Parts</u>							
OPA2							
189	INITIAL SPARES - C&E					9,950	U
Total Spare and Repair Parts						9,950	
Total Other Procurement, Army				924,077		9,549,283	

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3	01	10	1400D02001	Semitrailers, tankers.....	24
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11	01	10	6880D15620	Family of Cold Weather All-Terrain Vehicle (CATV).....	98
12	01	10	7000D15800	Firetrucks & Associated Firefighting Equip.....	100
13	01	10	8309DA0500	Family Of Heavy Tactical Vehicles (FHTV).....	108
14	01	10	8331D16506	PLS ESP.....	125
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18	01	10	8992DA0924	Modification Of In Svc Equip.....	165
19	01	20	0300D22100	Heavy Armored Vehicle.....	180
20	01	20	0358D23000	Passenger Carrying Vehicles.....	181
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Family of Cold Weather All-Terrain Vehicle (CATV)	6880D15620	11	01	10.....	98
Firetrucks & Associated Firefighting Equip	7000D15800	12	01	10.....	100
Ground Mobility Vehicles (GMV)	3484D15501	5	01	10.....	38
HI MOB MULTI-PURP WHLD VEH (HMMWV)	3446D15400	4	01	10.....	31
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Hvy Expanded Mobile Tactical Truck Ext Serv	8948DV0021	15	01	10.....	133
JOINT LIGHT TACTICAL VEHICLE	5600D15603	7	01	10.....	49
JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES	5731D15610	8	01	10.....	51
Modification Of In Svc Equip	8992DA0924	18	01	10.....	165
NonTactical Vehicles, Other	2450D30000	21	01	20.....	183
PLS ESP	8331D16506	14	01	10.....	125
Passenger Carrying Vehicles	0358D23000	20	01	20.....	181
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Line Item Title	Line Item Number	Line #	BA	BSA	Page
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Tactical Wheeled Vehicle Protection Kits	8980D04003	17	01	10.....	150

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	88	82	245	255	-	255	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	26.579	8.850	12.993	12.986	-	12.986	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	26.579	8.850	12.993	12.986	-	12.986	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	26.579	8.850	12.993	12.986	-	12.986	-	-	-	-	Continuing	Continuing

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	302.034	107.927	53.033	50.925	-	50.925	-	-	-	-	Continuing	Continuing

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 LEUT is 2,218 (Type I: 1,094 and Type II M1269: 1,124).

Secondary Distribution	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army	Quantity	8	44	48	-	48	-	-	-
	Total Obligation Authority	0.885	2.337	2.440	-	2.440	-	-	-
ANG	Quantity	42	118	121	-	121	-	-	-
	Total Obligation Authority	4.514	6.237	6.164	-	6.164	-	-	-
AR	Quantity	32	83	86	-	86	-	-	-
	Total Obligation Authority	3.451	4.419	4.382	-	4.382	-	-	-
Total: Secondary Distribution	Quantity	82	245	255	-	255	-	-	-
	Total Obligation Authority	8.850	12.993	12.986	-	12.986	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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

Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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	D05803 / Light Equipment Utility Trailer	P-5a, P-21			88 / 26.579	82 / 8.850	245 / 12.993	255 / 12.986	- / -	255 / 12.986
P-40	Total Gross/Weapon System Cost				88 / 26.579	82 / 8.850	245 / 12.993	255 / 12.986	- / -	255 / 12.986

*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 2021 Base procurement dollars in the amount of \$12.986 million supports the procurement of 255 M1269s (Type II LEUTs) to include manuals, transportation, and fielding. The LEUT will provide engineer units with a critically needed dedicated small equipment transport capability. With the LEUT's ability to transport key construction enablers, the LEUT will allow future force units the ability to gain, control and sustain route access in a timely manner and effectively maintain momentum/mobility throughout the battlespace. FRET does not appear in FY 20 and FY 21 due to the IRS's determination that it is not applicable to this trailer.

Prior Year Total Obligation Authority is incorrect. Correct amount should be \$17.625M, quantity of 90 M1269s. The correct quantity in FY20 is 278.

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 2021 Army		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 0254DA0100 / Tactical Trailers/Dolly Sets	Item Number / Title [DODIC]: D05803 / Light Equipment Utility Trailer

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	88	82	245	255	-	255
Gross/Weapon System Cost (\$ in Millions)	26.579	8.850	12.993	12.986	-	12.986
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	26.579	8.850	12.993	12.986	-	12.986
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	26.579	8.850	12.993	12.986	-	12.986

(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)	302.034	107.927	53.033	50.925	-	50.925

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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																		
M1269 Trailer (Type II 15-Ton) ^(†)	51.911	90	4.672	37.415	176	6.585	39.342	278	10.937	40.333	255	10.285	-	-	-	40.333	255	10.285
Logistics/Manuals	-	-	0.870	-	-	0.001	-	-	0.100	-	-	0.273	-	-	-	-	-	0.273
SEPM (Government and Contractor)	-	-	18.662	-	-	0.861	-	-	0.466	-	-	0.933	-	-	-	-	-	0.933
Engineering Change Proposals	-	-	0.050	-	-	0.098	-	-	0.163	-	-	0.154	-	-	-	-	-	0.154
Government/ Contractor Testing	-	-	1.638	-	-	-	-	-	0.110	-	-	0.112	-	-	-	-	-	0.112
Fielding	-	-	0.328	-	-	0.712	-	-	1.217	-	-	1.229	-	-	-	-	-	1.229
FRET (Type II only)	-	-	0.359	-	-	0.593	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	26.579	-	-	8.850	-	-	12.993	-	-	12.986	-	-	-	-	-	12.986
<i>Subtotal: Flyaway Cost</i>	-	-	26.579	-	-	8.850	-	-	12.993	-	-	12.986	-	-	-	-	-	12.986
Gross/Weapon System Cost	302.034	88	26.579	107.927	82	8.850	53.033	245	12.993	50.925	255	12.986	-	-	-	50.925	255	12.986

Remarks:

Prior year actual SEPM cost should be \$9.711M (FY14-FY18).

Logistics/Manuals: Increase of \$173K due to provisioning beginning in FY21.

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Exhibit P-5, Cost Analysis: PB 2021 Army **Date:** February 2020

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 0254DA0100 / Tactical Trailers/Dolly Sets	Item Number / Title [DODIC]: D05803 / Light Equipment Utility Trailer
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	8	44	48	-	48
	Total Obligation Authority	0.885	2.337	2.440	-	2.440
ANG	Quantity	42	118	121	-	121
	Total Obligation Authority	4.514	6.237	6.164	-	6.164
AR	Quantity	32	83	86	-	86
	Total Obligation Authority	3.451	4.419	4.382	-	4.382
Total: Secondary Distribution	Quantity	82	245	255	-	255
	Total Obligation Authority	8.850	12.993	12.986	-	12.986

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army **Date:** February 2020

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 0254DA0100 / Tactical Trailers/Dolly Sets	Item Number / Title [DODIC]: D05803 / Light Equipment Utility Trailer
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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
M1269 Trailer (Type II 15-Ton) ^(†)		2019	Carolina Growler / Star, NC	C / FFP	TACOM, Warren	Nov 2019	Mar 2020	176	37.415	Y		
M1269 Trailer (Type II 15-Ton) ^(†)		2020	Carolina Growler / Star, NC	C / FFP	TACOM, Warren	Jun 2020	Oct 2020	278	39.342	Y		
M1269 Trailer (Type II 15-Ton) ^(†)		2021	Carolina Growler / Star, NC	C / FFP	TACOM, Warren	Jan 2021	May 2021	255	40.333	Y		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2021 Army **Date:** February 2020

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10 **P-1 Line Item Number / Title:** 0254DA0100 / Tactical Trailers/Dolly Sets **Item Number / Title [DODIC]:** D05803 / Light Equipment Utility Trailer

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2020													Fiscal Year 2021													BALANCE				
O C C #	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					
M1269 Trailer (Type II 15-Ton)																																			
Prior Years Deliveries: 90																																			
1		2019	ARMY	176	0	176		A	-	-	-	-	10	15	20		27	27	15	15	15	16	16							0					
1		2020	ARMY	278	0	278											A	-	-	-	5	6	6		25	25	30	30	30	30	30	30	31	0	
1		2021	ARMY	255	0	255																			A	-	-	-	-	5	5	10	10	10	215
								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 2021 Army **Date:** February 2020

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10 **P-1 Line Item Number / Title:** 0254DA0100 / Tactical Trailers/Dolly Sets **Item Number / Title [DODIC]:** D05803 / Light Equipment Utility Trailer

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	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
M1269 Trailer (Type II 15-Ton)																															
Prior Years Deliveries: 90																															
1		2019	ARMY	176	176	0																							0		
1		2020	ARMY	278	278	0																							0		
1		2021	ARMY	255	40	215	45	45	45	40	40																		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 2021 Army	Date: February 2020
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 0254DA0100 / Tactical Trailers/Dolly Sets	Item Number / Title [DODIC]: D05803 / Light Equipment Utility Trailer
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	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	Carolina Growler - Star, NC	12	22	45	0	26	6	32	0	3	4	7

Remarks:
 FY19 quantity is comprised of 69 LRIP trailers and 107 FRP trailers. LRIP production falls below the MSR for only one month. Once FRP is reached, quantities do not fall below MSR.
 MAX for 2021 is for M1269 Type II LEUT only, not for the production facility.

"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 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	518	223	973	239	-	239	205	265	258	252	-	2,933
Gross/Weapon System Cost (<i>\$ in Millions</i>)	608.218	29.941	102.386	31.443	-	31.443	17.346	21.319	21.265	21.127	-	853.045
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	608.218	29.941	102.386	31.443	-	31.443	17.346	21.319	21.265	21.127	-	853.045
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	608.218	29.941	102.386	31.443	-	31.443	17.346	21.319	21.265	21.127	-	853.045

(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>)	1,174.166	134.265	105.227	131.561	-	131.561	84.615	80.449	82.422	83.837	-	290.844

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. 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) efforts for a Long Range Hypersonic Weapon (LRHW) system. The M870 Army Acquisition Objective (AAO) is 2,898.

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 5,161.

The M872A4 SEMITRAILER is a 34-Ton dual purpose, break-bulk container transporter. 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 7,339.

The M172 SEMITRAILER LOW BED 25-Ton is used to transport construction equipment, Class IV construction materials and logistical provisions supporting mobility, counter-mobility, survivability, and sustainment operations over all types of road, trails, and open cross-country terrain during tactical operations. The Semitrailer Low Bed (STLB) is a commercially-adapted semitrailer with a 25-ton payload capacity, flat level-deck and rear loading ramps. The M172 AAO is 1,156.

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army	Quantity	223	386	75	-	75	104	138	141	132
	Total Obligation Authority	29.941	39.332	10.508	-	10.508	8.921	11.134	11.713	11.633
ANG	Quantity	-	361	115	-	115	74	94	78	72

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
	Total Obligation Authority	-	38.898	15.076	-	15.076	6.223	7.355	6.285	6.234
AR	Quantity	-	226	49	-	49	27	33	39	48
	Total Obligation Authority	-	24.156	5.859	-	5.859	2.202	2.830	3.267	3.260
Total:	Quantity	223	973	239	-	239	205	265	258	252
Secondary Distribution	Total Obligation Authority	29.941	102.386	31.443	-	31.443	17.346	21.319	21.265	21.127

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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		112 / 191.939	13 / 4.170	258 / 21.500	71 / 7.473	- / -	71 / 7.473
P-5	D01600 / SEMITRAILER FB BB/CONT TR 34T M872 C/S	P-5a, P-21	A		406 / 416.279	195 / 23.829	647 / 76.267	109 / 14.384	- / -	109 / 14.384
P-5	D01650 / SEMITRAILER LOW BED 25 TON	P-5a			- / -	15 / 1.942	68 / 4.619	59 / 9.586	- / -	59 / 9.586
P-40	Total Gross/Weapon System Cost				518 / 608.218	223 / 29.941	973 / 102.386	239 / 31.443	- / -	239 / 31.443

*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 (M870): FY 2021 Base procurement dollars in the amount of \$7.473 million supports the procurement of 71 M870A4 semitrailers. 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. This program 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 (M872): FY 2021 Base procurement dollars in the amount of \$14.384 million supports the procurement of 109 M872A4 semitrailers to respond to line haul transportation requirements and address urgent readiness needs. The M872 semitrailer is a readiness pacing item for Army Medium Truck Companies 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 are designated as non-mission capable (NMC) items requiring replacement. The majority of the M872 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.

D01650 / SEMITRAILER LOW BED 25-Ton (M172): FY 2021 Base procurement dollars in the amount of \$9.586 million supports the procurement of 59 M172 semitrailers, testing of the new system and documentation to develop logistics products. This program is used to transport construction equipment, Class IV (construction materials), and logistical provisions supporting mobility, counter-mobility, survivability and sustainment operations and supports the National Defense Strategy with the equipment needed to respond to contingencies and ensure long-term readiness to provide freedom of maneuver during conflict.

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.

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	112	13	258	71	-	71
Gross/Weapon System Cost (\$ in Millions)	191.939	4.170	21.500	7.473	-	7.473
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	191.939	4.170	21.500	7.473	-	7.473
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	191.939	4.170	21.500	7.473	-	7.473

(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)	1,713.741	320.769	83.333	105.254	-	105.254

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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 ^(†)	638.580	276	176.248	141.385	13	1.838	75.265	166	12.494	66.831	71	4.745	-	-	-	66.831	71	4.745
M870A4 FRET	-	-	-	-	-	0.220	-	-	0.857	-	-	0.330	-	-	-	-	-	0.330
Engineering Changes	-	-	-	-	-	0.110	-	-	0.375	-	-	0.142	-	-	-	-	-	0.142
Matrix Functional Support	-	-	4.724	-	-	0.962	-	-	0.934	-	-	0.984	-	-	-	-	-	0.984
Testing	-	-	5.333	-	-	0.878	-	-	5.903	-	-	0.910	-	-	-	-	-	0.910
Fielding	-	-	2.917	-	-	0.005	-	-	0.495	-	-	0.171	-	-	-	-	-	0.171
First Destination Transportation	-	-	2.717	-	-	0.150	-	-	0.438	-	-	0.191	-	-	-	-	-	0.191
Data / Documentation	-	-	-	-	-	0.007	-	-	0.004	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	191.939	-	-	4.170	-	-	21.500	-	-	7.473	-	-	-	-	-	7.473
<i>Subtotal: Flyaway Cost</i>	-	-	191.939	-	-	4.170	-	-	21.500	-	-	7.473	-	-	-	-	-	7.473
Gross/Weapon System Cost	1,713.741	112	191.939	320.769	13	4.170	83.333	258	21.500	105.254	71	7.473	-	-	-	105.254	71	7.473

Remarks:

FY20 unit cost is higher than FY21 unit cost for additional LRIP purchases to accelerate test schedule.

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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:**

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	13	55	19	-	19
	Total Obligation Authority	4.170	3.726	2.026	-	2.026
ANG	Quantity	-	121	32	-	32
	Total Obligation Authority	-	10.578	3.567	-	3.567
AR	Quantity	-	82	20	-	20
	Total Obligation Authority	-	7.196	1.880	-	1.880
Total:	Quantity	13	258	71	-	71
Secondary Distribution	Total Obligation Authority	4.170	21.500	7.473	-	7.473

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020				
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		2019	Schutt Industries / CLINTONVILLE, WI	C / IDIQ	TACOM - Warren, MI	Jan 2019	Jun 2019	13	141.385	N		
M870A4 Semitrailer		2020	Schutt Industries / CLINTONVILLE, WI	C / IDIQ	TACOM - Warren, MI	Jul 2020	Jan 2021	166	75.265	N		
M870A4 Semitrailer		2021	Schutt Industries / CLINTONVILLE, WI	C / IDIQ	TACOM - Warren, MI	Jun 2021	Dec 2021	71	66.831	N		

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	406	195	647	109	-	109
Gross/Weapon System Cost (\$ in Millions)	416.279	23.829	76.267	14.384	-	14.384
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	416.279	23.829	76.267	14.384	-	14.384
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	416.279	23.829	76.267	14.384	-	14.384

(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)	1,025.318	122.200	117.878	131.963	-	131.963

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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 with FRET ^(†)	107.999	3,842	414.932	96.707	215	20.792	100.880	673	67.892	106.780	109	11.639	-	-	-	106.780	109	11.639
M872A4 - FRET	-	-	-	-	-	2.495	-	-	5.197	-	-	1.388	-	-	-	-	-	1.388
Matrix Functional Support	-	-	0.360	-	-	0.200	-	-	0.540	-	-	0.868	-	-	-	-	-	0.868
Fielding	-	-	0.237	-	-	0.100	-	-	0.345	-	-	0.054	-	-	-	-	-	0.054
First Destination Transportation	-	-	0.750	-	-	0.192	-	-	1.355	-	-	0.283	-	-	-	-	-	0.283
Engineering Changes (ECPs)	-	-	-	-	-	0.050	-	-	0.919	-	-	0.149	-	-	-	-	-	0.149
<i>Subtotal: Recurring Cost</i>	-	-	416.279	-	-	23.829	-	-	76.248	-	-	14.381	-	-	-	-	-	14.381
Non Recurring Cost																		
Data (2.6)	-	-	-	-	-	-	-	-	0.019	-	-	0.003	-	-	-	-	-	0.003
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	0.019	-	-	0.003	-	-	-	-	-	0.003
<i>Subtotal: Flyaway Cost</i>	-	-	416.279	-	-	23.829	-	-	76.267	-	-	14.384	-	-	-	-	-	14.384
Gross/Weapon System Cost	1,025.318	406	416.279	122.200	195	23.829	117.878	647	76.267	131.963	109	14.384	-	-	-	131.963	109	14.384

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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:**

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	195	263	24	-	24
	Total Obligation Authority	23.829	30.987	3.309	-	3.309
ANG	Quantity	-	240	60	-	60
	Total Obligation Authority	-	28.320	7.767	-	7.767
AR	Quantity	-	144	25	-	25
	Total Obligation Authority	-	16.960	3.308	-	3.308
Total:	Quantity	195	647	109	-	109
Secondary Distribution	Total Obligation Authority	23.829	76.267	14.384	-	14.384

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020					
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 with FRET ^(†)		2019	TALBERT MANUFACTURING INC. / RENSSELAER, IN	SS / IDIQ	TACOM, Warren, MI	Jan 2019	May 2019	215	96.707	Y		Oct 2018
M872A4 Semitrailer with FRET ^(†)		2020	TALBERT MANUFACTURING INC. / RENSSELAER, IN	SS / IDIQ	TACOM - Warren, MI	Jan 2020	May 2020	673	100.880	Y		
M872A4 Semitrailer with FRET ^(†)		2021	TALBERT MANUFACTURING INC. / RENSSELAER, IN	SS / IDIQ	TACOM - Warren, MI	Jan 2021	May 2021	109	106.780	Y		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2021 Army															Date: February 2020														
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 <i>(Units in Each)</i>					Fiscal Year 2019															Fiscal Year 2020															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 1 8	BAL D U E A S O F 1 O C T	Calendar Year 2019															Calendar Year 2020															
							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							
M872A4 Semitrailer with FRET																																					
Prior Years Deliveries: 3842																																					
	1	2019	ARMY	215	0	215				A	-	-	-	-	20	20	15	15	10	20	20	20	20	19	15	21							0				
	1	2020	ARMY	673	0	673																	A	-	-	-	30	57	60	60	60		406				
	1	2021	ARMY	109	0	109																											109				
							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 2021 Army				Date: February 2020	
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 <i>(Units in Each)</i>					Fiscal Year 2021												Fiscal Year 2022												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 0	BAL D U E A S O F 1 O C T	Calendar Year 2021												Calendar Year 2022																		
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J		A	S						
							C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	P	A	U		U	U	E					
						T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P								
M872A4 Semitrailer with FRET																																					
Prior Years Deliveries: 3842																																					
	1	2019	ARMY	215	215	0																															0
	1	2020	ARMY	673	267	406	60	60	60	60	60	60	46																								0
	1	2021	ARMY	109	0	109											9	9	9	10	10	10	10	9	9	8	8	8							0		
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S							
							C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	P	A	U	U	U	E						
							T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P							

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Exhibit P-21, Production Schedule: PB 2021 Army		Date: February 2020
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

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	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	TALBERT MANUFACTURING INC. - RENSSELAER, IN	8	40	60	0	4	4	8	0	4	4	8

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

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

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	-	15	68	59	-	59
Gross/Weapon System Cost (\$ in Millions)	-	1.942	4.619	9.586	-	9.586
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	1.942	4.619	9.586	-	9.586
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	1.942	4.619	9.586	-	9.586

(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)	-	129.467	67.926	162.475	-	162.475

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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 ^(†)	-	-	-	-	-	-	-	-	-	58.475	59	3.450	-	-	-	58.475	59	3.450
M872A4 SEMITRAILER FLATBED ^(†)	-	-	-	96.706	17	1.644	100.872	39	3.934	-	-	-	-	-	-	-	-	-
FRET	-	-	-	-	-	0.197	-	-	0.301	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	-	-	-	-	-	-	0.068	-	-	0.103	-	-	-	-	-	0.103
Functional Matrix Support	-	-	-	-	-	0.050	-	-	-	-	-	0.778	-	-	-	-	-	0.778
Test	-	-	-	-	-	-	-	-	-	-	-	4.238	-	-	-	-	-	4.238
Fielding	-	-	-	-	-	0.051	-	-	0.238	-	-	0.100	-	-	-	-	-	0.100
Data	-	-	-	-	-	-	-	-	-	-	-	0.634	-	-	-	-	-	0.634
First Destination Transportation	-	-	-	-	-	-	-	-	0.078	-	-	0.283	-	-	-	-	-	0.283
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.942	-	-	4.619	-	-	9.586	-	-	-	-	-	9.586
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	1.942	-	-	4.619	-	-	9.586	-	-	-	-	-	9.586
Gross/Weapon System Cost	-	-	-	129.467	15	1.942	67.926	68	4.619	162.475	59	9.586	-	-	-	162.475	59	9.586

Remarks:

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**
 FY20 funds are planned to be executed to procure M872A4 semitrailers (D01650). FY21 funds are planned for the M172A2 25T semitrailer at a lower manufacturing cost causing the manufacturing unit cost to decrease in FY21. The M172 Trailer is a new start in FY21.

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	15	68	32	-	32
	Total Obligation Authority	1.942	4.619	5.173	-	5.173
ANG	Quantity	-	-	23	-	23
	Total Obligation Authority	-	-	3.742	-	3.742
AR	Quantity	-	-	4	-	4
	Total Obligation Authority	-	-	0.671	-	0.671
Total: Secondary Distribution	Quantity	15	68	59	-	59
	Total Obligation Authority	1.942	4.619	9.586	-	9.586

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2021 Army								Date: February 2020				
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				
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	Apr 2021	Oct 2021	59	58.475	N		
M872A4 SEMITRAILER FLATBED		2019	TALBERT MANUFACTURING INC. / RENSSLAER, IN	SS / IDIQ	TACOM - Warren, MI	Jan 2019	May 2019	17	96.706	Y		
M872A4 SEMITRAILER FLATBED		2020	TALBERT MANUFACTURING INC. / RENSSLAER, IN	SS / IDIQ	TACOM - Warren, MI	Jan 2020	May 2020	39	100.872	Y		

Remarks:
FY20 funds are planned to be executed to procure M872A4 semitrailers (D01650). FY21 funds are planned for the M172A2 25T semitrailer at a lower manufacturing cost causing the manufacturing unit cost to decrease in FY21.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	166	-	166	385	385	430	429	-	1,795
Gross/Weapon System Cost (<i>\$ in Millions</i>)	24.477	-	-	17.082	-	17.082	35.963	35.963	40.059	40.060	-	193.604
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	24.477	-	-	17.082	-	17.082	35.963	35.963	40.059	40.060	-	193.604
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	24.477	-	-	17.082	-	17.082	35.963	35.963	40.059	40.060	-	193.604

(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>)	-	-	-	102.904	-	102.904	93.410	93.410	93.160	93.380	-	107.857

Description:

This budget line procures Bulk Fuel Distribution System (BFDS). The Petroleum and Water Distribution Systems supports the Army Equipment Modernization Strategy of 2025, 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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
ANG	Quantity	-	-	12	-	12	25	25	29	29
	Total Obligation Authority	-	-	1.188	-	1.188	2.378	2.378	2.681	2.681
AR	Quantity	-	-	154	-	154	360	360	401	400
	Total Obligation Authority	-	-	15.894	-	15.894	33.585	33.585	37.378	37.379
Total: Secondary Distribution	Quantity	-	-	166	-	166	385	385	430	429
	Total Obligation Authority	-	-	17.082	-	17.082	35.963	35.963	40.059	40.060

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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	- / -	- / -	166 / 17.082	- / -	166 / 17.082
P-40	Total Gross/Weapon System Cost				- / 24.477	- / -	- / -	166 / 17.082	- / -	166 / 17.082

*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 2021 Base procurement dollars in the amount of \$17.082 million supports the procurement of 166 Bulk Fuel Distribution Systems (BFDS).
 Funding in this budget line is a new start 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.
 Semitrailers, tankers is a new start in FY2021.

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	-	-	-	166	-	166
Gross/Weapon System Cost (\$ in Millions)	24.477	-	-	17.082	-	17.082
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	24.477	-	-	17.082	-	17.082
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	24.477	-	-	17.082	-	17.082

(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)	-	-	-	102.904	-	102.904

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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) ^(†)	-	-	-	-	-	-	-	-	-	90.000	166	14.940	-	-	-	90.000	166	14.940
Engineering Changes	-	-	4.500	-	-	-	-	-	-	-	-	0.166	-	-	-	-	-	0.166
System Engineering/ Program Management	-	-	3.000	-	-	-	-	-	-	-	-	0.952	-	-	-	-	-	0.952
System Test & Evaluation, Production	-	-	5.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Training	-	-	3.000	-	-	-	-	-	-	-	-	0.700	-	-	-	-	-	0.700
Data	-	-	2.000	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
Support Equipment	-	-	2.000	-	-	-	-	-	-	-	-	0.058	-	-	-	-	-	0.058
Fielding	-	-	4.977	-	-	-	-	-	-	-	-	0.166	-	-	-	-	-	0.166
<i>Subtotal: Recurring Cost</i>	-	-	24.477	-	-	-	-	-	-	-	-	17.082	-	-	-	-	-	17.082
<i>Subtotal: Flyaway Cost</i>	-	-	24.477	-	-	-	-	-	-	-	-	17.082	-	-	-	-	-	17.082
Gross/Weapon System Cost	-	-	24.477	-	-	-	-	-	-	102.904	166	17.082	-	-	-	102.904	166	17.082

Remarks:

Bulk Fuel Distribution System (BFDS) is a "New Start" in FY21.

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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:**

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
ANG	Quantity	-	-	12	-	12
	Total Obligation Authority	-	-	1.188	-	1.188
AR	Quantity	-	-	154	-	154
	Total Obligation Authority	-	-	15.894	-	15.894
Total: Secondary Distribution	Quantity	-	-	166	-	166
	Total Obligation Authority	-	-	17.082	-	17.082

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020					
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 <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Bulk Fuel Distribution System (BFDS) ^(†)		2021	TBD / TBD	C / FFP	TBD	Nov 2020	Jul 2021	166	90.000	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 2021 Army															Date: February 2020														
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 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							

Bulk Fuel Distribution System (BFDS)																														
1	2021	ARMY		166	0	166		A	-	-	-	-	-	-	-	-	-	10	10	15	15	15	15	15	15	15	15	15	11	0

								O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
								C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	A	S
								T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P

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Exhibit P-21, Production Schedule: PB 2021 Army		Date: February 2020
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 2021	1-8-5 For 2021	MAX For 2021	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	20	40	0	2	8	10	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).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	426	649	250	29	-	29	-	-	-	-	-	1,354
Gross/Weapon System Cost (<i>\$ in Millions</i>)	12,973.440	190.893	127.271	44.795	-	44.795	-	-	-	-	-	13,336.399
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	12,973.440	190.893	127.271	44.795	-	44.795	-	-	-	-	-	13,336.399
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	12,973.440	190.893	127.271	44.795	-	44.795	-	-	-	-	-	13,336.399

(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>)	30,454.085	294.134	509.084	1,544.655	-	1,544.655	-	-	-	-	-	9,849.630

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.

Congress added FY2016 funds in this program that were realigned from SSN D12020, HMMWV Modernization ARNG.

AAO: Department of the Army intent is to divest older Ambulances and replace with new modernized Ambulances up to the requirement of 3,915. The AAO will be met with the FY2020 procurement quantity.

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army	Quantity	649	250	29	-	29	-	-	-	-
	Total Obligation Authority	190.893	127.271	44.795	-	44.795	-	-	-	-
Total: Secondary Distribution	Quantity	649	250	29	-	29	-	-	-	-
	Total Obligation Authority	190.893	127.271	44.795	-	44.795	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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				- / 12,630.613	- / -	- / -	29 / 4.795	- / -	29 / 4.795
P-5	D15406 / AMBULANCE, 4 LITTER,5/4 TON,4X4	P-5a			426 / 342.827	649 / 190.893	250 / 127.271	- / 40.000	- / -	- / 40.000
P-40	Total Gross/Weapon System Cost				426 / 12,973.440	649 / 190.893	250 / 127.271	29 / 44.795	- / -	29 / 44.795

*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 2021 Base procurement dollars in the amount of \$4.795 million on the Truck Utility Heavy Variant line procures 29 new armor capable HMMWVs, program support and fielding.
 FY 2021 Base procurement dollars in the amount of \$40.000 million on the Ambulance line procures 4,285 kits (approximately 359 HVAC retrofit kits, 871 ABS/ESC retrofit kits and 3,055 AC Inverter retrofit kits). 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.

Correct quantity in FY20 is 269.

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 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	-	-	-	29	-	29
Gross/Weapon System Cost (\$ in Millions)	12,630.613	-	-	4.795	-	4.795
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	12,630.613	-	-	4.795	-	4.795
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	12,630.613	-	-	4.795	-	4.795

(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)	-	-	-	165.345	-	165.345

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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	-	-	-	-	-	-	-	-	-	150.167	6	0.901	-	-	-	150.167	6	0.901
New Production M1165A1	-	-	-	-	-	-	-	-	-	150.957	23	3.472	-	-	-	150.957	23	3.472
Product Management Support	-	-	-	-	-	-	-	-	-	-	-	0.304	-	-	-	-	-	0.304
Fielding	-	-	-	-	-	-	-	-	-	-	-	0.118	-	-	-	-	-	0.118
Other	-	-	12,630.613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	12,630.613	-	-	-	-	-	-	-	-	4.795	-	-	-	-	-	4.795
<i>Subtotal: Flyaway Cost</i>	-	-	12,630.613	-	-	-	-	-	-	-	-	4.795	-	-	-	-	-	4.795
Gross/Weapon System Cost	-	-	12,630.613	-	-	-	-	-	-	165.345	29	4.795	-	-	-	165.345	29	4.795

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

Secondary Distribution	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	-	-	29	-	29
	-	-	4.795	-	4.795

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Exhibit P-5, Cost Analysis: PB 2021 Army				Date: February 2020		
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:			
Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Total:	Quantity	-	-	29	-	29
Secondary Distribution	Total Obligation Authority	-	-	4.795	-	4.795

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	426	649	250	-	-	-
Gross/Weapon System Cost (\$ in Millions)	342.827	190.893	127.271	40.000	-	40.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	342.827	190.893	127.271	40.000	-	40.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	342.827	190.893	127.271	40.000	-	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)	804.758	294.134	509.084	-	-	-

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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)	528.616	633	334.614	287.031	645	185.135	296.628	269	79.793	-	-	-	-	-	-	-	-	-
Product Management Support	-	-	5.392	-	-	0.997	-	-	3.526	-	-	-	-	-	-	-	-	-
Fielding	-	-	2.000	-	-	3.176	-	-	1.614	-	-	-	-	-	-	-	-	-
System Technical Support (STS)	-	-	0.821	-	-	1.585	-	-	11.369	-	-	-	-	-	-	-	-	-
Retrofit Kits	-	-	-	-	-	-	-	-	30.969	-	-	40.000	-	-	-	-	-	40.000
<i>Subtotal: Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>342.827</i>	<i>-</i>	<i>-</i>	<i>190.893</i>	<i>-</i>	<i>-</i>	<i>127.271</i>	<i>-</i>	<i>-</i>	<i>40.000</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>40.000</i>
<i>Subtotal: Flyaway Cost</i>	<i>-</i>	<i>-</i>	<i>342.827</i>	<i>-</i>	<i>-</i>	<i>190.893</i>	<i>-</i>	<i>-</i>	<i>127.271</i>	<i>-</i>	<i>-</i>	<i>40.000</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>40.000</i>
Gross/Weapon System Cost	804.758	426	342.827	294.134	649	190.893	509.084	250	127.271	-	-	40.000	-	-	-	-	-	40.000

Remarks:

Retrofit kits includes 4,285 kits (approximately 359 HVAC retrofit kits, 871 ABS/ESC retrofit kits and 3,055 AC Inverter retrofit kits).

Secondary Distribution	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	649	250	-	-	-
Total Obligation Authority	190.893	127.271	40.000	-	40.000

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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:**

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Total:	Quantity	649	250	-	-	-
Secondary Distribution	Total Obligation Authority	190.893	127.271	40.000	-	40.000

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020				
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	269	296.628	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.

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	122	106	84	167	-	167	135	145	147	-	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	45.196	42.695	37.038	37.932	-	37.932	33.016	33.645	36.363	-	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	45.196	42.695	37.038	37.932	-	37.932	33.016	33.645	36.363	-	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	45.196	42.695	37.038	37.932	-	37.932	33.016	33.645	36.363	-	Continuing	Continuing

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	370.459	402.783	440.929	227.138	-	227.138	244.563	232.034	247.367	-	Continuing	Continuing

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.

Per AROC on 08 February 2019, the Vice Chief Secretary of Army (VCSA) approved the procurement objective of 11 IBCT sets at 59 vehicles per IBCT (649 vehicles) to be completed by Fiscal Year (FY) 2024. During a follow on AROC on 22 February 2019, the VCSA approved the ISV annex to the approved SOCOM GMV1.1 Capabilities Production Document which approved the total requirement for the ISV program.

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) is 2,065.

Secondary Distribution	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	
Army										
	Quantity	106	84	167	-	167	135	145	147	-
	Total Obligation Authority	42.695	37.038	37.932	-	37.932	33.016	33.645	36.363	-
Total:	Quantity	106	84	167	-	167	135	145	147	-
Secondary Distribution	Total Obligation Authority	42.695	37.038	37.932	-	37.932	33.016	33.645	36.363	-

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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		122 / 45.196	106 / 42.695	84 / 37.038	167 / 37.932	- / -	167 / 37.932
P-40	Total Gross/Weapon System Cost				122 / 45.196	106 / 42.695	84 / 37.038	167 / 37.932	- / -	167 / 37.932

*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 FY2021 Base procurement dollars in the amount of \$37.932 million supports the procurement of 167 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), and program management. 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.

The database P-40 quantities are not current for FY 2020. Procurement Quantity (Qty) totals for FY2020 are: Qty 94: 25 Infantry Squad Vehicle (ISV) and 69 GMV1.1 SOCOM 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 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (<i>Units in Each</i>)	122	106	84	167	-	167
Gross/Weapon System Cost (<i>\$ in Millions</i>)	45.196	42.695	37.038	37.932	-	37.932
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	45.196	42.695	37.038	37.932	-	37.932
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	45.196	42.695	37.038	37.932	-	37.932

(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>)	370.459	402.783	440.929	227.138	-	227.138

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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 ^(†)	268.156	122	32.715	272.479	48	13.079	-	-	-	-	-	-	-	-	-	-	-	-
Kits	-	-	0.455	-	-	0.183	-	-	-	-	-	-	-	-	-	-	-	-
Ground Mobility Vehicles- SOCOM GMV1.1 ^(†)	-	-	-	325.000	58	18.850	325.000	69	22.425	-	-	-	-	-	-	-	-	-
Ground Mobility Vehicles (GMV) Infantry Squad Variant (ISV) ^(†)	-	-	-	-	-	-	229.120	25	5.728	190.916	167	31.883	-	-	-	190.916	167	31.883
<i>Subtotal: Recurring Cost</i>	-	-	33.170	-	-	32.112	-	-	28.153	-	-	31.883	-	-	-	-	-	31.883
<i>Subtotal: Flyaway Cost</i>	-	-	33.170	-	-	32.112	-	-	28.153	-	-	31.883	-	-	-	-	-	31.883
Logistics Cost																		
Non Recurring Cost																		
Logistics Development	-	-	2.979	-	-	1.228	-	-	3.540	-	-	0.038	-	-	-	-	-	0.038
<i>Subtotal: Non Recurring Cost</i>	-	-	2.979	-	-	1.228	-	-	3.540	-	-	0.038	-	-	-	-	-	0.038
<i>Subtotal: Logistics Cost</i>	-	-	2.979	-	-	1.228	-	-	3.540	-	-	0.038	-	-	-	-	-	0.038
Support - Engineering Change Proposals Cost																		

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 3484D15501 / Ground Mobility Vehicles (GMV)
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:
Item Number / Title [DODIC]: D15505 / Ground Mobility Vehicles (Light) GMV (L)		

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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)
Engineering Change Proposals	-	-	-	-	-	0.610	-	-	-	-	-	0.956	-	-	-	-	-	0.956
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	-	-	-	0.610	-	-	-	-	-	0.956	-	-	-	-	-	0.956
Support - Fielding Cost																		
Fielding	-	-	4.089	-	-	4.111	-	-	2.119	-	-	1.687	-	-	-	-	-	1.687
<i>Subtotal: Support - Fielding Cost</i>	-	-	4.089	-	-	4.111	-	-	2.119	-	-	1.687	-	-	-	-	-	1.687
Support - Program Management Cost																		
Government Management	-	-	1.405	-	-	1.549	-	-	0.994	-	-	1.200	-	-	-	-	-	1.200
Contractor Management	-	-	3.553	-	-	2.565	-	-	2.112	-	-	1.252	-	-	-	-	-	1.252
<i>Subtotal: Support - Program Management Cost</i>	-	-	4.958	-	-	4.114	-	-	3.106	-	-	2.452	-	-	-	-	-	2.452
Support - System Technical Support (STS) Cost																		
System Technical Support (STS)	-	-	-	-	-	0.520	-	-	0.120	-	-	0.916	-	-	-	-	-	0.916
<i>Subtotal: Support - System Technical Support (STS) Cost</i>	-	-	-	-	-	0.520	-	-	0.120	-	-	0.916	-	-	-	-	-	0.916
Gross/Weapon System Cost	370.459	122	45.196	402.783	106	42.695	440.929	84	37.038	227.138	167	37.932	-	-	-	227.138	167	37.932

Remarks:

Engineering Change Proposals (ECP): Funding increase from FY20 to FY21 of \$.956 million a result in the implementation of Engineering Change Proposals (ECP) 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.

Government Program Management: Funding increase from FY20 to FY21 of \$.206 million is due to additional manpower required to complete testing, log development, and achieve First Unit Equipped (FUE).

System Technical Support (STS): Funding increase from FY20 to FY21 of \$.796 million due to the anticipated work relative to increase in production.

Fielding: Funding decrease from FY20 to FY21 of \$.432 million due to the purchase of spare parts for ISV in FY20.

Ground Mobility Vehicles (GMV) Infantry Squad Vehicles ISV: FY20 increase in unit cost is due to the productionization of the manufacturing line for ISV.

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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:**

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	106	84	167	-	167
	Total Obligation Authority	42.695	37.038	37.932	-	37.932
Total:	Quantity	106	84	167	-	167
Secondary Distribution	Total Obligation Authority	42.695	37.038	37.932	-	37.932

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020					
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 (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Ground Mobility Vehicles (GMV)- AGMV1.1		2019	GD-OTS / St. Petersburg, FL	C / FFP	SOCOM Tampa, FL	Nov 2018	Feb 2019	48	272.479	Y		Aug 2017
Ground Mobility Vehicles- SOCOM GMV1.1		2019	GD-OTS / St. Petersburg, FL	C / FFP	SOCOM Tampa, FL	Nov 2018	Feb 2019	58	325.000	Y		
Ground Mobility Vehicles- SOCOM GMV1.1		2020	GD-OTS / St. Petersburg, FL	C / FFP	SOCOM Tampa, FL	Jan 2020	May 2020	69	325.000	Y		
Ground Mobility Vehicles (GMV) Infantry Squad Varriant (ISV) ^(†)		2020	TBD / TBD	Various	Warren, MI	Jun 2020	Nov 2020	25	229.120	N		Feb 2020
Ground Mobility Vehicles (GMV) Infantry Squad Varriant (ISV) ^(†)		2021	TBD / TBD	Various	Warren, MI	Nov 2020	May 2021	167	190.916	N		Feb 2020

^(†) indicates the presence of a P-21

Remarks:
FY2020: 69 GMV1.1 SOCOM Vehicles, and 25 Infantry Squad Vehicle (ISV).

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Exhibit P-21, Production Schedule: PB 2021 Army															Date: February 2020														
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 2019													Fiscal Year 2020													B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCE PT TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019													Calendar Year 2020													
							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 Variant (ISV)																																	
	1	2020	ARMY	25	0	25																							A -	-	-	-	25
	1	2021	ARMY	167	0	167																											167
							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 2021 Army															Date: February 2020														
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 2021													Fiscal Year 2022													B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCE PT 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			
Ground Mobility Vehicles (GMV) Infantry Squad Varriant (ISV)																																	
1	2020	ARMY		25	0	25	-	3	4	3	3	3	3	3	3															0			
1	2021	ARMY		167	0	167		A	-	-	-	-	-	-	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	0			
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	A	M	J	J	A	S		
							C	O	E	A	E	A	A	A	U	U	U	E	C	O	V	E	A	E	A	A	A	U	U	A	S		
							T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P			

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Exhibit P-21, Production Schedule: PB 2021 Army		Date: February 2020
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 2021	1-8-5 For 2021	MAX For 2021	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	3	15	45	0	9	5	14	0	2	6	8

Remarks:
Competitive contract award for ISV is to be determined, since production rates are unknown GD-OTS production rates were utilized. This will be updated once the new manufacturer is 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).

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	1,380	-	-	-	-	-	-	-	-	-	-	1,380
Gross/Weapon System Cost (<i>\$ in Millions</i>)	834.222	100.000	100.000	-	-	-	-	-	-	-	-	1,034.222
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	834.222	100.000	100.000	-	-	-	-	-	-	-	-	1,034.222
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	834.222	100.000	100.000	-	-	-	-	-	-	-	-	1,034.222

(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>)	604.509	-	-	-	-	-	-	-	-	-	-	749.436

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.

Congress added \$60.0M in FY 2016 funds for this program for HMMWV Ambulance that was realigned to SSN D15406, Ambulance, 4 Litter, 5/4 Ton 4X4.

Secondary Distribution	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	100.000	100.000	-	-	-	-	-	-	-
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	100.000	100.000	-	-	-	-	-	-	-

Justification:

There are no FY 2021 Base procurement requirements for this program.

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army		Date: February 2020
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>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	3,988	3,557	5,893	-	-	-	-	-	-	-	-	13,438
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,815.380	1,279.437	972.407	-	-	-	-	-	-	-	-	4,067.224
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,815.380	1,279.437	972.407	-	-	-	-	-	-	-	-	4,067.224
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,815.380	1,279.437	972.407	-	-	-	-	-	-	-	-	4,067.224

(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>)	455.211	359.696	165.011	-	-	-	-	-	-	-	-	302.666

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army	Quantity	3,557	5,162	-	-	-	-	-	-	-
	Total Obligation Authority	1,279.437	821.972	-	-	-	-	-	-	-
ANG	Quantity	-	186	-	-	-	-	-	-	-
	Total Obligation Authority	-	35.888	-	-	-	-	-	-	-
AR	Quantity	-	545	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
	Total Obligation Authority	-	114.547	-	-	-	-	-	-	-
Total:	Quantity	3,557	5,893	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	1,279.437	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 is not correct. Of the \$972.407 million base procurement dollars, \$906.702 million procures 2,205 vehicles and \$65.705 million procures 1,251 JLTV-T.
 The P-40 Vehicle Quantity and Funding amounts are not current. Totals are as follows: Prior Year: QTY 5,052; \$1,800.531 million; FY 2019: QTY 3,569; \$1,262.179 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 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	3,254	-	3,254	2,893	2,752	2,817	3,355	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	894.414	-	894.414	711.668	845.930	845.224	845.175	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	-	894.414	-	894.414	711.668	845.930	845.224	845.175	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	894.414	-	894.414	711.668	845.930	845.224	845.175	Continuing	Continuing

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	274.866	-	274.866	245.997	307.387	300.044	251.915	Continuing	Continuing

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 as a system with the JLTV.

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army	Quantity	-	-	2,387	-	2,387	2,260	2,422	2,392	2,458
	Total Obligation Authority	-	-	646.727	-	646.727	573.330	804.481	758.248	690.242
ANG	Quantity	-	-	319	-	319	319	85	183	493

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
	Total Obligation Authority	-	-	95.890	-	95.890	48.048	4.773	41.901	89.791
AR	Quantity	-	-	548	-	548	314	245	242	404
	Total Obligation Authority	-	-	151.797	-	151.797	90.290	36.676	45.075	65.142
Total:	Quantity	-	-	3,254	-	3,254	2,893	2,752	2,817	3,355
Secondary Distribution	Total Obligation Authority	-	-	894.414	-	894.414	711.668	845.930	845.224	845.175

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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	B		- / -	- / -	- / -	1,920 / 822.023	- / -	1,920 / 822.023
P-5	D15618 / JOINT LIGHT TACTICAL VEHICLE TRAILER (JLTV-T)	P-5a, P-21			- / -	- / -	- / -	1,334 / 72.391	- / -	1,334 / 72.391
P-40	Total Gross/Weapon System Cost				- / -	- / -	- / -	3,254 / 894.414	- / -	3,254 / 894.414

*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 2021 Base procurement dollars in the amount of \$894.414 million supports a quantity of 1,920 JLTVs of various configurations as well as 1,334 JLTV-T 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, fielding, Contractor Systems Engineering/Program Management (SEPM), System Technical Support (STS), Training Aids, Devices, Simulators and Simulation (TADSS), Interim Contractor Support (ICS). Funding also supports the continuation of the JLTV test program to include Production Verification Testing (PVT) and follow on testing.

For FY 2021, \$0.943 million in Reimbursable Manpower for this line has been realigned from Reimbursable Civilian Funding to Direct Operations and Maintenance. Program support costs have been accurately updated to reflect the realignments.

NOTE: This budget line D15610 is not a New Start program and 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 2021 Army													Date: February 2020					
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) : B										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total				
Procurement Quantity (Units in Each)				-		-		-		1,920		-		1,920				
Gross/Weapon System Cost (\$ in Millions)				-		-		-		822.023		-		822.023				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				-		-		-		822.023		-		822.023				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				-		-		-		822.023		-		822.023				
<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)				-		-		-		428.137		-		428.137				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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 ^(†)	-	-	-	-	-	-	-	-	-	271.503	640	173.762	-	-	-	271.503	640	173.762
--Heavy Guns Carrier ^(†)	-	-	-	-	-	-	-	-	-	272.394	800	217.915	-	-	-	272.394	800	217.915
--Utility ^(†)	-	-	-	-	-	-	-	-	-	259.646	480	124.630	-	-	-	259.646	480	124.630
--Kits	-	-	-	-	-	-	-	-	-	-	-	157.928	-	-	-	-	-	157.928
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	674.235	-	-	-	-	-	674.235
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	674.235	-	-	-	-	-	674.235
Support - Engineering Change Proposals Cost																		
Engineering Change Proposals	-	-	-	-	-	-	-	-	-	-	-	31.936	-	-	-	-	-	31.936
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	-	-	-	-	-	-	-	-	-	31.936	-	-	-	-	-	31.936
Support - Fielding Cost																		
Fielding	-	-	-	-	-	-	-	-	-	-	-	31.979	-	-	-	-	-	31.979
<i>Subtotal: Support - Fielding Cost</i>	-	-	-	-	-	-	-	-	-	-	-	31.979	-	-	-	-	-	31.979
Support - Operational/Site Activation Cost																		
Contractor Technical Support	-	-	-	-	-	-	-	-	-	-	-	5.070	-	-	-	-	-	5.070

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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) : 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 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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	-	-	-	-	-	5.070
Support - Program Management Cost																		
Government Management	-	-	-	-	-	-	-	-	-	-	-	21.770	-	-	-	-	-	21.770
Contractor Management	-	-	-	-	-	-	-	-	-	-	-	5.574	-	-	-	-	-	5.574
<i>Subtotal: Support - Program Management Cost</i>	-	-	-	-	-	-	-	-	-	-	-	27.344	-	-	-	-	-	27.344
Support - System Technical Support (STS) Cost																		
System Technical Support (STS)	-	-	-	-	-	-	-	-	-	-	-	22.919	-	-	-	-	-	22.919
<i>Subtotal: Support - System Technical Support (STS) Cost</i>	-	-	-	-	-	-	-	-	-	-	-	22.919	-	-	-	-	-	22.919
Support - System Test and Evaluation Cost																		
Test and Evaluation Support	-	-	-	-	-	-	-	-	-	-	-	3.978	-	-	-	-	-	3.978
<i>Subtotal: Support - System Test and Evaluation Cost</i>	-	-	-	-	-	-	-	-	-	-	-	3.978	-	-	-	-	-	3.978
Support - Training Cost																		
Equipment	-	-	-	-	-	-	-	-	-	-	-	24.562	-	-	-	-	-	24.562
<i>Subtotal: Support - Training Cost</i>	-	-	-	-	-	-	-	-	-	-	-	24.562	-	-	-	-	-	24.562
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	428.137	1,920	822.023	-	-	-	428.137	1,920	822.023

Remarks:

Unit Cost: Increase from FY 2020 to FY 2021 is due to an increase in contractual prices inclusive of cut ins for situational awareness and noise reduction.

Program Management (Government): \$0.943 million in Reimbursable Manpower for this line has been realigned from Reimbursable Civilian Funding to Direct Operations and Maintenance. Program support costs have been accurately updated to reflect the realignments.

TADSS: FY 2020 to FY 2021 funding increase of \$17.543 million is due to the procurement of 16 Desk Top Trainers (DTT) and 50 Hands on Trainers (HOT).

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	-	-	1,358	-	1,358

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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) : B **MDAP/MAIS Code:**

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
	Total Obligation Authority	-	-	590.765	-	590.765
ANG	Quantity	-	-	207	-	207
	Total Obligation Authority	-	-	89.871	-	89.871
AR	Quantity	-	-	355	-	355
	Total Obligation Authority	-	-	141.387	-	141.387
Total:	Quantity	-	-	1,920	-	1,920
Secondary Distribution	Total Obligation Authority	-	-	822.023	-	822.023

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020					
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 <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
--General Purpose ^(†)		2021	- General Purpose / Oshkosh Defense LLC, Oshkosh Wisconsin	C / FFP	TACOM	Dec 2020	Oct 2021	640	271.503	Y		Feb 2014
--Heavy Guns Carrier ^(†)		2021	- Heavy Guns Carrier / Oshkosh Defense LLC, Oshkosh Wisconsin	C / FFP	TACOM	Dec 2020	Oct 2021	800	272.394	Y		Feb 2014
--Utility ^(†)		2021	- Utility / Oshkosh Defense LLC, Oshkosh Wisconsin	C / FFP	TACOM	Dec 2020	Oct 2021	480	259.646	Y		Feb 2014

^(†) indicates the presence of a P-21

Remarks:

MSR is 12 per year.
1-8-5 is 696.
Max quantity per year is 2,820.

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

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 2021.

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Exhibit P-21, Production Schedule: PB 2021 Army															Date: February 2020														
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 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	640	0	640			A -	-	-	-	-	-	-	-	-	-	53	53	53	53	53	53	53	53	54	54	54	54	0						
	1	2021	NAVY (‡)	143	0	143			A -	-	-	-	-	-	-	-	-	-	11	12	12	12	12	12	12	12	12	12	12	12	0						
	1	2021	Total	783	0	783			-	-	-	-	-	-	-	-	-	-	64	65	65	65	65	65	65	65	66	66	66	66	0						
--Heavy Guns Carrier																																					
	2	2021	ARMY	800	0	800			A -	-	-	-	-	-	-	-	-	-	66	66	66	66	67	67	67	67	67	67	67	67	0						
	2	2021	NAVY (‡)	504	0	504			A -	-	-	-	-	-	-	-	-	-	42	42	42	42	42	42	42	42	42	42	42	42	0						
	2	2021	Total	1,304	0	1,304			-	-	-	-	-	-	-	-	-	-	108	108	108	108	109	109	109	109	109	109	109	109	0						
--Utility																																					
	3	2021	ARMY	480	0	480			A -	-	-	-	-	-	-	-	-	-	40	40	40	40	40	40	40	40	40	40	40	40	0						
	3	2021	NAVY (‡)	89	0	89			A -	-	-	-	-	-	-	-	-	-	7	7	7	7	7	7	7	8	8	8	8	8	0						
	3	2021	Total	569	0	569			-	-	-	-	-	-	-	-	-	-	47	47	47	47	47	47	47	48	48	48	48	48	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 2021 Army		Date: February 2020
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 2021	1-8-5 For 2021	MAX For 2021	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	12	696	2,820	0	10	10	20	0	3	10	13
2	- Heavy Guns Carrier - Oshkosh Defense LLC, Oshkosh Wisconsin	12	696	2,820	0	10	10	20	0	3	10	13
3	- Utility - Oshkosh Defense LLC, Oshkosh Wisconsin	12	696	2,820	0	10	10	20	0	3	10	13

Remarks:
Estimated production rates are yearly.

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

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 2021, however, the USMC plans to procure 16 CCWCs in FY21.

(‡) 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 2021 Army		Date: February 2020
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:
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Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	-	-	-	1,334	-	1,334
Gross/Weapon System Cost (\$ in Millions)	-	-	-	72.391	-	72.391
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	-	72.391	-	72.391
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	72.391	-	72.391

(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)	-	-	-	54.266	-	54.266

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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 ^(†)	-	-	-	-	-	-	-	-	-	52.280	1,334	69.742	-	-	-	52.280	1,334	69.742
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	69.742	-	-	-	-	-	69.742
Subtotal: Flyaway Cost	-	-	-	-	-	-	-	-	-	-	-	69.742	-	-	-	-	-	69.742
Support - Fielding Cost																		
Fielding	-	-	-	-	-	-	-	-	-	-	-	1.932	-	-	-	-	-	1.932
Subtotal: Support - Fielding Cost	-	-	-	-	-	-	-	-	-	-	-	1.932	-	-	-	-	-	1.932
Support - Program Management Cost																		
Government Management	-	-	-	-	-	-	-	-	-	-	-	0.717	-	-	-	-	-	0.717
Subtotal: Support - Program Management Cost	-	-	-	-	-	-	-	-	-	-	-	0.717	-	-	-	-	-	0.717
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	54.266	1,334	72.391	-	-	-	54.266	1,334	72.391

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	-	-	1,029	-	1,029
	Total Obligation Authority	-	-	55.962	-	55.962
ANG	Quantity	-	-	112	-	112

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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:** _____

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
	Total Obligation Authority	-	-	6.019	-	6.019
AR	Quantity	-	-	193	-	193
	Total Obligation Authority	-	-	10.410	-	10.410
Total:	Quantity	-	-	1,334	-	1,334
Secondary Distribution	Total Obligation Authority	-	-	72.391	-	72.391

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020					
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	Osh Kosh / Osh Kosh, WI	SS / FP	TACOM Warren, MI	Jan 2021	Jul 2021	1,334	52.280	Y		Dec 2020

^(†) indicates the presence of a P-21

Remarks:

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

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Exhibit P-21, Production Schedule: PB 2021 Army															Date: February 2020														
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 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					
Trailers																																			
	1	2021	ARMY	1,334	0	1,334				A	-	-	-	-	-	-	-	112	112	111	111	111	111	111	111	111	111	111	111	111	111	111	0		
	1	2021	NAVY (†)	78	0	78				A	-	-	-	-	-	-	-	7	7	7	7	7	7	6	6	6	6	6	6	6	6	0			
	1	2021	Total	1,412	0	1,412				-	-	-	-	-	-	-	-	119	119	118	118	118	118	117	117	117	117	117	117	117	117	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 2021 Army		Date: February 2020
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 2021	1-8-5 For 2021	MAX For 2021	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	Osh Kosh - Osh Kosh, WI	12	696	2,820	12	4	6	10	0	2	6	8

Remarks:
FY21 USMC trailer procurement of 78 will be included with the JLTV trailer 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 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	6	6	14	61	-	61	-	-	-	-	-	87
Gross/Weapon System Cost (<i>\$ in Millions</i>)	50.589	5.061	10.838	29.368	-	29.368	-	-	-	-	-	95.856
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	50.589	5.061	10.838	29.368	-	29.368	-	-	-	-	-	95.856
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	50.589	5.061	10.838	29.368	-	29.368	-	-	-	-	-	95.856

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	8,431.500	843.500	774.143	481.443	-	481.443	-	-	-	-	-	1,101.793

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 1,246 vehicles.

Secondary Distribution	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army									
Quantity	6	4	23	-	23	-	-	-	-
Total Obligation Authority	5.061	8.720	21.320	-	21.320	-	-	-	-
ANG									
Quantity	-	5	19	-	19	-	-	-	-
Total Obligation Authority	-	1.059	4.024	-	4.024	-	-	-	-
AR									
Quantity	-	5	19	-	19	-	-	-	-
Total Obligation Authority	-	1.059	4.024	-	4.024	-	-	-	-
Total: Secondary Distribution									
Quantity	6	14	61	-	61	-	-	-	-
Total Obligation Authority	5.061	10.838	29.368	-	29.368	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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		6 / 50.589	6 / 5.061	14 / 10.838	61 / 29.368	- / -	61 / 29.368
P-40	Total Gross/Weapon System Cost				6 / 50.589	6 / 5.061	14 / 10.838	61 / 29.368	- / -	61 / 29.368

*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:
 FY2021 Base procurement dollars in the amount of \$29.368 million supports the procurement of 61 Heavy Dump Trucks (HDT) to fill Active Army, National Guard, and Army Reserve requirements; as well as the procurement of 17 Armor Solutions. The current fleet of HDT is well beyond their economic useful life with an average age of 25 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.

The Gross/Weapon System Unit Cost has decreased in FY21 as test requirements are near completion and documentation necessities have concluded.

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 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	6	6	14	61	-	61
Gross/Weapon System Cost (\$ in Millions)	50.589	5.061	10.838	29.368	-	29.368
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	50.589	5.061	10.838	29.368	-	29.368
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	50.589	5.061	10.838	29.368	-	29.368

(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)	8,431.500	843.500	774.143	481.443	-	481.443

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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 ^(†)	6,904.200	5	34.521	-	-	-	332.000	14	4.648	338.607	61	20.655	-	-	-	338.607	61	20.655
Armor Solution	-	-	-	-	-	-	-	-	-	-	-	2.249	-	-	-	-	-	2.249
FRET	-	-	0.151	-	-	-	-	-	0.351	-	-	1.163	-	-	-	-	-	1.163
Engineering Changes	-	-	0.166	-	-	-	-	-	0.142	-	-	0.696	-	-	-	-	-	0.696
Functional Matrix Support	-	-	5.896	-	-	0.918	-	-	1.000	-	-	1.480	-	-	-	-	-	1.480
Test	-	-	9.186	-	-	2.458	-	-	2.453	-	-	1.656	-	-	-	-	-	1.656
Documentation	-	-	0.614	-	-	1.685	-	-	1.790	-	-	-	-	-	-	-	-	-
Support Equipment	-	-	-	-	-	-	-	-	0.082	-	-	0.554	-	-	-	-	-	0.554
Fielding	-	-	0.016	-	-	-	-	-	0.155	-	-	0.527	-	-	-	-	-	0.527
First Destination Transportation	-	-	0.039	-	-	-	-	-	0.217	-	-	0.388	-	-	-	-	-	0.388
<i>Subtotal: Recurring Cost</i>	-	-	50.589	-	-	5.061	-	-	10.838	-	-	29.368	-	-	-	-	-	29.368
<i>Subtotal: Flyaway Cost</i>	-	-	50.589	-	-	5.061	-	-	10.838	-	-	29.368	-	-	-	-	-	29.368
Gross/Weapon System Cost	8,431.500	6	50.589	843.500	6	5.061	774.143	14	10.838	481.443	61	29.368	-	-	-	481.443	61	29.368

Remarks:

The P-40 Quantity in FY19 for the Heavy Dump Truck (HDT) is incorrect. The actual quantity in FY19 is 0; these quantities are reflected on the P5.

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Exhibit P-5, Cost Analysis: PB 2021 Army **Date:** February 2020

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:**

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	6	4	23	-	23
	Total Obligation Authority	5.061	8.720	21.320	-	21.320
ANG	Quantity	-	5	19	-	19
	Total Obligation Authority	-	1.059	4.024	-	4.024
AR	Quantity	-	5	19	-	19
	Total Obligation Authority	-	1.059	4.024	-	4.024
Total: Secondary Distribution	Quantity	6	14	61	-	61
	Total Obligation Authority	5.061	10.838	29.368	-	29.368

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army **Date:** February 2020

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	May 2020	Nov 2020	14	332.000	N		
M917A3 Truck ^(†)		2021	Mack Defense, LLC / Allentown, PA	Option / IDIQ	TACOM, Warren, MI	May 2021	Nov 2021	61	338.607	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2021 Army **Date:** February 2020

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)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2020													Fiscal Year 2021													BALANCE	
O C C #	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			
M917A3 Truck																																	
Prior Years Deliveries: 5																																	
	1	2020	ARMY	14	0	14																											
	1	2021	ARMY	61	0	61																											

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Exhibit P-21, Production Schedule: PB 2021 Army **Date:** February 2020

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 2022														Fiscal Year 2023														BALANCE	
O C C #	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					
M917A3 Truck																																			
Prior Years Deliveries: 5																																			
	1	2020	ARMY	14	13	1	1																												0
	1	2021	ARMY	61	0	61	-	5	5	5	5	6	5	5	5	5	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 2021 Army **Date:** February 2020

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 2021	1-8-5 For 2021	MAX For 2021	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	0	8	6	14	0	5	6	11

"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 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	1,217	321	341	186	-	186	167	75	77	86	-	2,470
Gross/Weapon System Cost (<i>\$ in Millions</i>)	16,207.142	123.464	138.057	95.092	-	95.092	68.384	34.210	37.065	40.044	-	16,743.458
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	16,207.142	123.464	138.057	95.092	-	95.092	68.384	34.210	37.065	40.044	-	16,743.458
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	16,207.142	123.464	138.057	95.092	-	95.092	68.384	34.210	37.065	40.044	-	16,743.458

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	13,317.290	384.623	404.859	511.247	-	511.247	409.485	456.133	481.364	465.628	-	6,778.728

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: Light Medium Tactical Vehicle 3 Ton Cargo, Van, and Low Velocity Air Drop (LVAD) Light Cargo; Medium Tactical Vehicle 8 Ton Cargo Standard Wheelbase, Long Wheelbase, Tractor, LVAD Medium Cargo, Expandable 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, 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 & MSL 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. 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.

FMTV trailers (LMTV & MTV) have the same payload as the LMTV/ MTV trucks.

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army		Date: February 2020
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		

D13500 - The Light Medium Tactical Vehicle (LMTV) family includes three trucks with 3 ton capacity. The M1078 3 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 also equipped with bench seats for the transport of Soldiers. The M1079 LMTV 3 Ton 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 and cooling capabilities. 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 M1080 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 has an 8-ton capacity consisting of 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 M1083 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 M1084 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 M1085 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 M1086 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 M1087 Expansible Van is designed to function as a mobile office. 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 M1088 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 80,000 lbs. Gross Combined Weight (GCW). The M1089 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 rated to 17,000 lbs. at maximum extension, two 30,000 lb. main recovery winches, a 15,500 lb. rated self-recovery winch, two hydraulic stiff legs for anchoring, and a crane capable of lifting 14,200 lbs. The M1092 Chassis and M1096 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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army	Quantity	173	170	94	-	94	85	37	40	42
	Total Obligation Authority	82.008	69.244	59.115	-	59.115	36.906	22.520	25.207	25.488
ANG	Quantity	78	109	66	-	66	58	28	26	32
	Total Obligation Authority	21.933	43.956	25.946	-	25.946	22.285	8.637	8.351	10.596
AR	Quantity	70	62	26	-	26	24	10	11	12
	Total Obligation Authority	19.523	24.857	10.031	-	10.031	9.193	3.053	3.507	3.960
Total:	Quantity	321	341	186	-	186	167	75	77	86

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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)
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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: 0604604A
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Line Item MDAP/MAIS Code: 746

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Secondary Distribution	Total Obligation Authority	123.464	138.057	95.092	-	95.092	68.384	34.210	37.065	40.044

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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	D03500 / TRLR CARGO LMTV	P-5a			- / 1,182.938	20 / 1.337	- / -	- / -	- / -	- / -
P-5	D04500 / MTV TRAILER	P-5a			- / 1,046.691	6 / 5.994	- / -	- / -	- / -	- / -
P-5	D13500 / LIGHT MEDIUM TACT VEHICLE FAMILY (4X4)	P-5a, P-21			994 / 5,195.165	188 / 52.018	97 / 40.942	50 / 17.064	- / -	50 / 17.064
P-5	D14500 / MEDIUM TACT VEHICLE FAMILY (6X6)	P-5a, P-21			223 / 8,782.348	107 / 64.115	244 / 97.115	136 / 78.028	- / -	136 / 78.028
P-40	Total Gross/Weapon System Cost				1,217 / 16,207.142	321 / 123.464	341 / 138.057	186 / 95.092	- / -	186 / 95.092

*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 2021 Base Procurement dollars in the amount of \$95.092 million supports a quantity of 184 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.

There are no FY 2021 OCO Procurement dollars.

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

LIGHT MEDIUM TACTICAL VEHICLE TRAILER D03500
 There are no FY 2021 Base Procurement funding requirements for this program.
 There are no FY 2021 OCO Procurement funding requirements for this program.

MEDIUM TACTICAL VEHICLE TRAILER D04500
 There are no FY 2021 Base Procurement funding requirements for this program.
 There are no FY 2021 OCO Procurement funding requirements for this program.

LIGHT MEDIUM TACTICAL VEHICLE FAMILY D13500
 FY 2021 Base Procurement dollars in the amount of \$17.064 million supports a quantity of 48 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.

There are no FY 2021 OCO Procurement funding requirements for this program.

MEDIUM TACTICAL VEHICLE FAMILY D14500
 FY 2021 Base Procurement dollars in the amount of \$78.028 million supports a quantity of 136 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.

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army		Date: February 2020
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		

There are no FY 2021 OCO Procurement funding requirements for this program.

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.

Procurement Quantity totals by year: FY20 - 341; FY21 - 184; FY22 - 153; FY23 - 73; FY24 - 76; FY25 - 85.

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 2021 Army **Date:** February 2020

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]: D03500 / TRLR CARGO LMTV
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	-	20	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,182.938	1.337	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,182.938	1.337	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,182.938	1.337	-	-	-	-

(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)	-	66.850	-	-	-	-

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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																		
LMTV Trailers M1082(f)	25.523	1,939	49.489	38.200	35	1.337	-	-	-	-	-	-	-	-	-	-	-	-
Kits	-	-	1.604	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Recurring Engineering (STS)	-	-	7.793	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quality Assurance	-	-	0.535	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	2.181	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Program Management	-	-	5.159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Testing	-	-	0.139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	1,116.038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>1,182.938</i>	-	-	<i>1.337</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	<i>1,182.938</i>	-	-	<i>1.337</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	1,182.938	66.850	20	1.337	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	20	-	-	-	-
	Total Obligation Authority	1.337	-	-	-	-
Total:	Quantity	20	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 Army			Date: February 2020			
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]: D03500 / TRLR CARGO LMTV		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Secondary Distribution	Total Obligation Authority	1.337	-	-	-	-

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2021 Army **Date:** February 2020

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]: D03500 / TRLR CARGO LMTV
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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
LMTV Trailers M1082		2019	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Jul 2019	May 2020	35	38.200	N		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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]: D04500 / MTV TRAILER

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	-	6	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,046.691	5.994	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,046.691	5.994	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,046.691	5.994	-	-	-	-

(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)	-	999.000	-	-	-	-

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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 Trailers ^(†)	16.094	4,524	72.809	66.667	6	0.400	-	-	-	-	-	-	-	-	-	-	-	-
Kits	-	-	5.474	-	-	0.401	-	-	-	-	-	-	-	-	-	-	-	-
Recurring Engineering (STS)	-	-	23.665	-	-	0.447	-	-	-	-	-	-	-	-	-	-	-	-
Quality Assurance	-	-	1.705	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	7.158	-	-	0.510	-	-	-	-	-	-	-	-	-	-	-	-
Program Management	-	-	17.826	-	-	1.325	-	-	-	-	-	-	-	-	-	-	-	-
Testing	-	-	0.386	-	-	1.348	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	20.599	-	-	0.746	-	-	-	-	-	-	-	-	-	-	-	-
Adjustment for Prior Year Error	-	-	897.069	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data	-	-	-	-	-	0.817	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>1,046.691</i>	-	-	<i>5.994</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	<i>1,046.691</i>	-	-	<i>5.994</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	1,046.691	999.000	6	5.994	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	4	-	-	-	-
	Total Obligation Authority	5.888	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 Army **Date:** February 2020

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]: D04500 / MTV TRAILER
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
ANG	Quantity	1	-	-	-	-
	Total Obligation Authority	0.056	-	-	-	-
AR	Quantity	1	-	-	-	-
	Total Obligation Authority	0.050	-	-	-	-
Total:	Quantity	6	-	-	-	-
Secondary Distribution	Total Obligation Authority	5.994	-	-	-	-

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2021 Army **Date:** February 2020

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]: D04500 / MTV TRAILER
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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
Various Trailers		2019	Oshkosh Corp / Oshkosh	C / FFP	TACOM, Warren, MI	Jul 2019	May 2020	6	66.667	N		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	994	188	97	50	-	50
Gross/Weapon System Cost (\$ in Millions)	5,195.165	52.018	40.942	17.064	-	17.064
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	5,195.165	52.018	40.942	17.064	-	17.064
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	5,195.165	52.018	40.942	17.064	-	17.064

(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)	5,226.524	276.691	422.082	341.280	-	341.280

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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(†)	159.266	2,511	399.916	217.883	188	40.962	235.691	97	22.862	237.063	48	11.379	-	-	-	237.063	48	11.379
Kits	-	-	2.084	-	-	0.067	-	-	0.165	-	-	0.039	-	-	-	-	-	0.039
Recurring Engineering (STS)	-	-	6.392	-	-	1.494	-	-	2.592	-	-	0.420	-	-	-	-	-	0.420
Quality Assurance	-	-	0.807	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	3.149	-	-	0.600	-	-	0.686	-	-	0.341	-	-	-	-	-	0.341
Matrix Support	-	-	17.302	-	-	2.811	-	-	4.621	-	-	1.286	-	-	-	-	-	1.286
Testing	-	-	0.425	-	-	2.821	-	-	0.253	-	-	0.391	-	-	-	-	-	0.391
Data	-	-	-	-	-	2.064	-	-	4.855	-	-	2.251	-	-	-	-	-	2.251
Fielding A1P2 and Prior Variant	-	-	4,765.090	-	-	1.199	-	-	-	-	-	-	-	-	-	-	-	-
Fielding A2 Variant	-	-	-	-	-	-	-	-	4.908	-	-	0.957	-	-	-	-	-	0.957
<i>Subtotal: Recurring Cost</i>	-	-	5,195.165	-	-	52.018	-	-	40.942	-	-	17.064	-	-	-	-	-	17.064
<i>Subtotal: Flyaway Cost</i>	-	-	5,195.165	-	-	52.018	-	-	40.942	-	-	17.064	-	-	-	-	-	17.064
Gross/Weapon System Cost	5,226.524	994	5,195.165	276.691	188	52.018	422.082	97	40.942	341.280	50	17.064	-	-	-	341.280	50	17.064

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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:

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 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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	159.266	2,511	399.916	217.883	188	40.962	235.691	97	22.862	237.063	48	11.379	-	-	-	237.063	48	11.379
--LMTV Cargo M1078	155.923	2,221	346.306	217.883	188	40.962	235.691	97	22.862	237.063	48	11.379	-	-	-	237.063	48	11.379
--LMTV Cargo WW M1078	145.782	101	14.724	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
--LMTV Van M1079	205.751	189	38.887	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
FY21 correct quantity is 48.

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	104	48	25	-	25
	Total Obligation Authority	29.307	20.526	10.304	-	10.304
ANG	Quantity	41	31	18	-	18
	Total Obligation Authority	11.085	13.090	4.867	-	4.867
AR	Quantity	43	18	7	-	7
	Total Obligation Authority	11.626	7.326	1.893	-	1.893
Total: Secondary Distribution	Quantity	188	97	50	-	50
	Total Obligation Authority	52.018	40.942	17.064	-	17.064

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020					
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 ^(†)		2019	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Jul 2019	May 2020	188	217.883	N		
Various Vehicles ^(†)		2020	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Jun 2020	Apr 2021	97	235.691	N		
Various Vehicles ^(†)		2021	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Mar 2021	Jan 2022	48	237.063	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2021 Army															Date: February 2020														
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 <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			
Various Vehicles																																		
Prior Years Deliveries: 2511																																		
1	2019	AF (†)		55	30	25	5	5	5	5	3	2	-															0						
1	2019	ARMY		188	76	112	16	16	16	16	16	16	16															0						
1	2019	FMS (†)		50	24	26	4	4	4	4	5	5	-															0						
1	2019	OTH (†)		2	2	0	-	-	-	-	-	-	-															0						
1	2019	Total		295	132	163	25	25	25	25	24	23	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0						
1	2020	ARMY		97	0	97	-	-	-	-	-	-	9	9	9	9	9	9	9	9	8	8						0						
1	2021	ARMY		48	0	48								A	-	-	-	-	-	-	-	5	5	5	5	4	4	4	4	4	4	4	4	8
							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 2021 Army															Date: February 2020														
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 <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				
Various Vehicles																																		
Prior Years Deliveries: 2511																																		
	1	2019	AF (‡)	55	55	0																												0
	1	2019	ARMY	188	188	0																												0
	1	2019	FMS (‡)	50	50	0																												0
	1	2019	OTH (‡)	2	2	0																												0
	1	2019	Total	295	295	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
	1	2020	ARMY	97	97	0																												0
	1	2021	ARMY	48	40	8	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 2021 Army		Date: February 2020
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)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	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	5	20	0	5	12	17	0	5	12	17

(‡) 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 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	223	107	244	136	-	136
Gross/Weapon System Cost (\$ in Millions)	8,782.348	64.115	97.115	78.028	-	78.028
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	8,782.348	64.115	97.115	78.028	-	78.028
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	8,782.348	64.115	97.115	78.028	-	78.028

(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)	39,382.726	599.206	398.012	573.735	-	573.735

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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(†)	279.460	13,504	3,773.822	242.053	188	45.506	348.488	244	85.031	371.926	136	50.582	-	-	-	371.926	136	50.582
Kits	-	-	12.750	-	-	0.096	-	-	0.038	-	-	0.167	-	-	-	-	-	0.167
Recurring Engineering (STS)	-	-	63.865	-	-	2.152	-	-	0.593	-	-	1.817	-	-	-	-	-	1.817
Quality Assurance	-	-	8.160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRET	-	-	179.364	-	-	2.689	-	-	5.024	-	-	2.988	-	-	-	-	-	2.988
Engineering Changes	-	-	43.324	-	-	0.863	-	-	2.551	-	-	1.517	-	-	-	-	-	1.517
Matrix Support	-	-	82.695	-	-	4.048	-	-	1.057	-	-	5.567	-	-	-	-	-	5.567
Testing	-	-	3.615	-	-	4.062	-	-	0.058	-	-	1.692	-	-	-	-	-	1.692
Data	-	-	-	-	-	2.973	-	-	1.111	-	-	9.749	-	-	-	-	-	9.749
Fielding	-	-	4,614.753	-	-	1.726	-	-	-	-	-	-	-	-	-	-	-	-
Fielding A2 Variant	-	-	-	-	-	-	-	-	1.652	-	-	3.949	-	-	-	-	-	3.949
<i>Subtotal: Recurring Cost</i>	-	-	8,782.348	-	-	64.115	-	-	97.115	-	-	78.028	-	-	-	-	-	78.028
<i>Subtotal: Flyaway Cost</i>	-	-	8,782.348	-	-	64.115	-	-	97.115	-	-	78.028	-	-	-	-	-	78.028
Gross/Weapon System Cost	39,382.726	223	8,782.348	599.206	107	64.115	398.012	244	97.115	573.735	136	78.028	-	-	-	573.735	136	78.028

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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	279.460	13,504	3,773.822	242.053	188	45.506	348.488	244	85.031	371.926	136	50.582	-	-	-	371.926	136	50.582
--MTV Cargo M1083	160.615	4,705	755.695	302.000	17	5.134	266.490	51	13.591	267.654	26	6.959	-	-	-	267.654	26	6.959
--MTV Cargo w/winch M1083	158.869	887	140.917	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
--MTV Cargo MHE M1084	353.119	682	240.827	374.500	8	2.996	352.909	11	3.882	345.500	4	1.382	-	-	-	345.500	4	1.382
--MTV Cargo-Long Wheel Base (LWB) M1085	305.688	1,473	450.278	230.429	7	1.613	-	-	-	-	-	-	-	-	-	-	-	-
--MTV Cargo-LWB w/winch M1085	162.508	65	10.563	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
--MTV LWB Cargo w/MHE M1086	214.556	9	1.931	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
--MTV Expansible Van M1087	653.345	1,195	780.747	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
--MTV Tractor M1088	284.662	2,426	690.591	229.250	156	35.763	260.627	51	13.292	262.500	20	5.250	-	-	-	262.500	20	5.250
--MTV Wrecker M1089	641.788	363	232.969	-	-	-	500.529	34	17.018	497.333	42	20.888	-	-	-	497.333	42	20.888
--MTV LHS M1148	274.462	52	14.272	-	-	-	384.000	97	37.248	390.094	32	12.483	-	-	-	390.094	32	12.483
--MTV 10 Ton Dump M1157	179.123	827	148.135	-	-	-	-	-	-	301.667	12	3.620	-	-	-	301.667	12	3.620
--MTV 10 Ton Dump M1157 w/winch	374.267	820	306.899	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	45	122	69	-	69
	Total Obligation Authority	45.476	48.718	48.811	-	48.811
ANG	Quantity	36	78	48	-	48
	Total Obligation Authority	10.792	30.866	21.079	-	21.079
AR	Quantity	26	44	19	-	19
	Total Obligation Authority	7.847	17.531	8.138	-	8.138
Total:	Quantity	107	244	136	-	136
Secondary Distribution	Total Obligation Authority	64.115	97.115	78.028	-	78.028

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020				
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 ^(†)		2018	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Jun 2018	Apr 2019	103	433.670	N		
Various Vehicles ^(†)		2019	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Jul 2019	May 2020	188	242.053	N		
Various Vehicles ^(†)		2020	Oshkosh Corp / Oshkosh	SS / FFP	Tacom, Warren, MI	Jun 2020	Apr 2021	244	348.488	N		
Various Vehicles ^(†)		2021	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Mar 2021	Jan 2022	136	371.926	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2021 Army															Date: February 2020														
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 2020															Fiscal Year 2021															BALANCE		
O 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							
Various Vehicles																																					
Prior Years Deliveries: 13401																																					
1	2018	ARMY		103	49	54	9	9	9	9	9	9																							0		
1	2019	AF (†)		90	0	90	-	-	-	-	-	-	8	8	8	8	8	8	8	7	7	7	7	6	-										0		
1	2019	ARMY		188	0	188	-	-	-	-	-	-	-	15	15	15	15	16	16	16	16	16	16	16	16									0			
1	2019	FMS (†)		202	0	202	-	-	-	-	-	-	17	17	17	17	17	17	17	17	17	17	16	16	-									0			
1	2019	OTH (†)		41	0	41	-	-	-	-	-	-	3	3	3	3	3	3	3	4	4	4	4	4	-									0			
1	2019	Total		521	0	521	-	-	-	-	-	-	28	43	43	43	43	44	44	44	44	44	43	42	16	-	-	-	-	-	-	-	0				
1	2020	ARMY		244	0	244								A	-	-	-	-	-	-	-	-	-	21	21	21	21	20	20					120			
1	2021	ARMY		136	0	136																	A	-	-	-	-	-	-	-	-	-	-	136			
							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 2021 Army															Date: February 2020														
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 2022														Fiscal Year 2023														BALANCE		
O C C #	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						
Various Vehicles																																				
Prior Years Deliveries: 13401																																				
1		2018	ARMY	103	103	0																													0	
1		2019	AF (†)	90	90	0																													0	
1		2019	ARMY	188	188	0																													0	
1		2019	FMS (†)	202	202	0																														0
1		2019	OTH (†)	41	41	0																														0
1		2019	Total	521	521	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
1		2020	ARMY	244	124	120	20	20	20	20	20																									0
1		2021	ARMY	136	0	136	-	-	-	12	12	12	12	11	11	11	11	11	11	11	11															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 2021 Army		Date: February 2020
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 / Month)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	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	5	20	0	5	12	17	0	5	12	17

(‡) 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 2021 Army **Date:** February 2020

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:** N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	0.999	-	0.999	16.648	23.307	28.857	39.956	-	109.767
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	-	0.999	-	0.999	16.648	23.307	28.857	39.956	-	109.767
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	0.999	-	0.999	16.648	23.307	28.857	39.956	-	109.767

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

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

Description:

The Cold-weather All-Terrain Vehicle (CATV) is a tracked vehicle new start effort in FY 2021 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 four 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. Ambulance 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. Command and Control (C2) 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 oversized 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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	0.999	-	0.999	16.648	23.307	28.857	39.956
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	0.999	-	0.999	16.648	23.307	28.857	39.956

Justification:

The FY2021 Base procurement dollars in the amount of \$.999 million supports the refurbishment of Cold-weather All-Terrain Vehicle (CATV) test assets.

Funding breakout as follows: FY21:\$.999M, FY22:\$.16.648M, FY23: \$23.307M, FY24: \$28.857M, and FY25: \$39.956M. Quantity breakout as follows: FY22: 14, FY23: 18, FY24: 22, & FY25: 31.

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army		Date: February 2020
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: 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.		
Family of Cold Weather All-Terrain Vehicle (CATV) is a new start in FY2021.		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	55	33	56	52	-	52	49	48	59	60	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	186.786	14.842	28.048	27.687	-	27.687	26.569	25.722	32.115	32.717	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	186.786	14.842	28.048	27.687	-	27.687	26.569	25.722	32.115	32.717	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	186.786	14.842	28.048	27.687	-	27.687	26.569	25.722	32.115	32.717	Continuing	Continuing

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	3,396.109	449.758	500.857	532.442	-	532.442	542.224	535.875	544.322	545.283	Continuing	Continuing

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	
Army	33	56	50	-	50	47	46	57	58	
	Total Obligation Authority	14.842	28.048	26.767	-	26.767	25.645	24.792	31.181	31.779
ANG	-	-	2	-	2	2	2	2	2	
	Total Obligation Authority	-	-	0.920	-	0.920	0.924	0.930	0.934	0.938
Total: Secondary Distribution	33	56	52	-	52	49	48	59	60	
	Total Obligation Authority	14.842	28.048	27.687	-	27.687	26.569	25.722	32.115	32.717

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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		55 / 186.786	33 / 14.842	56 / 28.048	52 / 27.687	- / -	52 / 27.687
P-40	Total Gross/Weapon System Cost				55 / 186.786	33 / 14.842	56 / 28.048	52 / 27.687	- / -	52 / 27.687

*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 2021 Base procurement dollars in the amount of \$27.687 million supports Army installations and units with fire fighting protection and emergency response capability. A total of 52 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 2021 Army		Date: February 2020
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:
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Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	55	33	56	52	-	52
Gross/Weapon System Cost (\$ in Millions)	186.786	14.842	28.048	27.687	-	27.687
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	186.786	14.842	28.048	27.687	-	27.687
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	186.786	14.842	28.048	27.687	-	27.687

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	3,396.109	449.758	500.857	532.442	-	532.442

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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	-	-	-	936.000	1	0.936	940.000	1	0.940	-	-	-	940.000	1	0.940
Structural Pumper ^(†)	1,948.707	41	79.897	459.000	14	6.426	459.739	23	10.574	459.773	22	10.115	-	-	-	459.773	22	10.115
Airfield Crash Truck ^(†)	6,677.375	8	53.419	716.125	8	5.729	719.000	10	7.190	719.000	10	7.190	-	-	-	719.000	10	7.190
Mobile Water Supply Truck ^(†)	5,318.500	2	10.637	383.857	7	2.687	361.000	7	2.527	362.000	7	2.534	-	-	-	362.000	7	2.534
Brush Pumper ^(†)	6,421.000	1	6.421	-	-	-	325.000	3	0.975	328.000	3	0.984	-	-	-	328.000	3	0.984
HAZMAT/Rescue Truck ^(†)	8,412.000	1	8.412	-	-	-	257.000	3	0.771	258.000	3	0.774	-	-	-	258.000	3	0.774
Emergency Response Vehicle ^(†)	-	-	-	-	-	-	815.000	5	4.075	830.200	5	4.151	-	-	-	830.200	5	4.151
Search and Rescue Truck ^(†)	-	-	-	-	-	-	1,000.000	1	1.000	999.000	1	0.999	-	-	-	999.000	1	0.999
<i>Subtotal: Recurring Cost</i>	-	-	186.786	-	-	14.842	-	-	28.048	-	-	27.687	-	-	-	-	-	27.687
<i>Subtotal: Flyaway Cost</i>	-	-	186.786	-	-	14.842	-	-	28.048	-	-	27.687	-	-	-	-	-	27.687
Gross/Weapon System Cost	3,396.109	55	186.786	449.758	33	14.842	500.857	56	28.048	532.442	52	27.687	-	-	-	532.442	52	27.687

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	33	56	50	-	50
	Total Obligation Authority	14.842	28.048	26.767	-	26.767
ANG	Quantity	-	-	2	-	2
	Total Obligation Authority	-	-	0.920	-	0.920
Total:	Quantity	33	56	52	-	52
Secondary Distribution	Total Obligation Authority	14.842	28.048	27.687	-	27.687

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020				
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	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
Ladder Truck		2020	TBD / TBD	C / FP	DLA, Philadelphia, PA	May 2020	Apr 2021	1	936.000	N		
Ladder Truck		2021	TBD / TBD	C / FP	DLA, Philadelphia, PA	May 2021	Apr 2022	1	940.000	N		
Structural Pumper ^(†)		2019	Pierce Manufacturing / Appleton, WI	C / FP	DLA, Philadelphia, PA	Dec 2019	Nov 2020	14	459.000	Y		
Structural Pumper ^(†)		2020	TBD / TBD	C / FP	DLA, Philadelphia, PA	May 2020	Mar 2021	23	459.739	N		
Structural Pumper ^(†)		2021	TBD / TBD	C / FP	DLA, Philadelphia, PA	May 2021	Mar 2022	22	459.773	N		
Airfield Crash Truck ^(†)		2019	TBD / TBD	C / FP	DLA, Philadelphia, PA	Mar 2020	Jan 2021	8	716.125	N		
Airfield Crash Truck ^(†)		2020	TBD / TBD	C / FP	DLA, Philadelphia, PA	Apr 2020	Feb 2021	10	719.000	N		
Airfield Crash Truck ^(†)		2021	TBD / TBD	C / FP	DLA, Philadelphia, PA	Apr 2021	Feb 2022	10	719.000	N		
Mobile Water Supply Truck		2019	TBD / TBD	C / FP	DLA, Philadelphia, PA	Mar 2020	Dec 2020	7	383.857	N		
Mobile Water Supply Truck		2020	TBD / TBD	C / FP	DLA, Philadelphia, PA	Jun 2020	Mar 2021	7	361.000	N		
Mobile Water Supply Truck		2021	TBD / TBD	C / FP	DLA, Philadelphia, PA	Jun 2021	Mar 2022	7	362.000	N		
Brush Pumper		2020	TBD / TBD	C / FP	DLA, Philadelphia, PA	May 2020	Dec 2020	3	325.000	N		
Brush Pumper		2021	TBD / TBD	C / FP	DLA, Philadelphia, PA	May 2021	Dec 2021	3	328.000	N		
HAZMAT/Rescue Truck		2020	TBD / TBD	C / FP	DLA, Philadelphia, PA	Jun 2020	Feb 2021	3	257.000	N		
HAZMAT/Rescue Truck		2021	TBD / TBD	C / FP	DLA, Philadelphia, PA	Jun 2021	Feb 2022	3	258.000	N		
Emergency Response Vehicle		2020	TBD / TBD	C / FP	GSA, Washington, DC	Jul 2020	Oct 2021	5	815.000	N		
Emergency Response Vehicle		2021	TBD / TBD	C / FP	GSA, Washington, DC	Jul 2021	Oct 2022	5	830.200	N		
Search and Rescue Truck		2020	TBD / TBD	C / FP	DLA, Philadelphia, PA	Jul 2020	Aug 2021	1	1,000.000	N		
Search and Rescue Truck		2021	TBD / TBD	C / FP	DLA, Philadelphia, PA	Jul 2021	Aug 2022	1	999.000	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.

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Exhibit P-21, Production Schedule: PB 2021 Army															Date: February 2020									
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 2020												Fiscal Year 2021												BALANCE			
O 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
Structural Pumper																															
Prior Years Deliveries: 41																															
	2	2019	ARMY	14	0	14			A -	-	-	-	-	-	-	-	-	-	4	6	4								0		
	1	2020	ARMY	23	0	23							A -	-	-	-	-	-	-	-	-	6	6	6	5				0		
	1	2021	ARMY	22	0	22																			A -	-	-	-	-	22	
Airfield Crash Truck																															
Prior Years Deliveries: 8																															
	3	2019	ARMY	8	0	8							A -	-	-	-	-	-	-	-	4	4							0		
	3	2020	ARMY	10	0	10							A -	-	-	-	-	-	-	-	-	3	4	3					0		
	3	2021	ARMY	10	0	10																		A -	-	-	-	-	-	10	

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Exhibit P-21, Production Schedule: PB 2021 Army															Date: February 2020									
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: 41																																			
	2	2019	ARMY	14	14	0																							0						
	1	2020	ARMY	23	23	0																							0						
	1	2021	ARMY	22	0	22	-	-	-	-	-	6	6	6	4														0						
Airfield Crash Truck																																			
Prior Years Deliveries: 8																																			
	3	2019	ARMY	8	8	0																							0						
	3	2020	ARMY	10	10	0																							0						
	3	2021	ARMY	10	0	10	-	-	-	-	4	6																	0						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: PB 2021 Army		Date: February 2020
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 2021	1-8-5 For 2021	MAX For 2021	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	Pierce Manufacturing - Appleton, WI	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

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 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	1,197	1,005	256	-	-	-	-	-	-	-	-	2,458
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,440.602	160.897	36.886	-	6.500	6.500	6.500	5.000	-	-	-	3,656.385
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	3,440.602	160.897	36.886	-	6.500	6.500	6.500	5.000	-	-	-	3,656.385
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3,440.602	160.897	36.886	-	6.500	6.500	6.500	5.000	-	-	-	3,656.385

(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>)	2,874.354	160.097	144.086	-	-	-	-	-	-	-	-	1,487.545

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 Protection Strategy (LTPS) "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 11.5 ton capacity, 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 11.5 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 11.5 ton capacity, 8 wheel drive tractor truck. The M983 LET Tractor performs as the prime mover for tactical semitrailer 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 al Brigade Combat Team formations. The

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army		Date: February 2020
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>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>D16210: The HEMTT A4 Load Handling System (LHS) A4 model is an 11.5 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 PLS trailer is used in conjunction with the PLS truck (M1074 and M1075 variants) as well as the HEMTT load handling system M1120 variant. 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). This is used in conjunction with Enhanced Container Handling Unit (ECHU) equipped vehicles to allow 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>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 Heavy Equipment Transporter Systems (HETS) United States Army Europe (USAREUR) Operational Needs Statement (ONS # 17-22207) requirement is for Heavy Equipment Transport Systems by the first quarter of FY 2020 that shall be capable of carrying 78.5 Tons of payload and receive road permits at 75 Tons within the European Union. The recommended course of action for satisfying the ONS is to utilize a modified version of the M1070A1 tractor, which is the new M1302 Tractor, combined with a new production commercial 8-axle trailer which is the new M1300 trailer. Per the 1 DEC 17 Army leadership decision, this trailer will be capable of carrying 85 tons. The Army leadership also directed an additional modification to the tractor that will allow it to achieve an ultimate carrying capacity of 85 tons.</p> <p>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.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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

D16400: The Forward Repair System (FRS), is a forward maintenance system designed to support forces in the forward battle area. The FRS is a maintenance enclosure mounted on a flatrack. The FRS increases a commander's ability to support and repair damaged combat systems in the field, significantly reducing the need for retrograding equipment. No other maintenance platforms possess adequate mobility, lift, diagnostics, welding, or a tool configuration to fulfill maintenance requirements forward on the battle field. AAO is 15.

The Army Acquisition Objective (AAO) for PLS Trailer (PLST-D08900) is 18,557, Container Roll-in/out Platform (CROP-D16100) is 57,104, Modular Catastrophic Recovery System (MCRS-D12389) is 161, Enhanced Container Handling Unit (ECHU-D16101) is 3,887, and USAREUR HETS ONS (HETS DV0012) is 170.

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army	Quantity	721	256	-	-	-	-	-	-	-
	Total Obligation Authority	135.076	36.886	-	6.500	6.500	6.500	5.000	-	-
ANG	Quantity	284	-	-	-	-	-	-	-	-
	Total Obligation Authority	25.821	-	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	1,005	256	-	-	-	-	-	-	-
	Total Obligation Authority	160.897	36.886	-	6.500	6.500	6.500	5.000	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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			1,118 / 905.738	842 / 76.453	255 / 26.686	- / -	- / -	- / -
P-40a	D12389 / Modular Catastrophic Recovery System		A		19 / 6.164	25 / 8.983	- / -	- / -	- / -	- / -
P-40a	D16101 / CONTAINER HANDLING UNIT (CHU) KIT		A		- / 446.138	28 / 2.455	- / -	- / -	- / -	- / -
P-5	D16400 / FORWARD REPAIR SYSTEM (FRS)	P-5a			- / 825.764	- / 0.837	- / -	- / -	- / -	- / -
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	A		60 / 1,256.268	110 / 72.169	- / -	- / -	- / 6.500	- / 6.500
P-40	Total Gross/Weapon System Cost				1,197 / 3,440.602	1,005 / 160.897	256 / 36.886	- / -	- / 6.500	- / 6.500

*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 2021 Base EDI procurement dollars in the amount of \$6.500 million supports the Contractor Logistics Support (CLS), Matrix Functional Area Support, and Logistics Product development for the Heavy Equipment Transporter Systems (HETS) United States Army Europe (USAREUR) Operational Needs Statement (ONS # 17-22207) for the Trailers. Per the 1 Dec 2017 Army leadership decision, this trailer will be capable of carrying 85 tons. The trailers will utilize CLS and contractor provided spare parts for up to four years until it is replaced with organic sustainment. The USAREUR HETS trailers 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 M1A1 Abrams main battle tank (MBT) and M88 recovery vehicle to support flexible theatre postures and enhance the ability to compete by providing the transportability required for freedom of maneuver of the largest track combat weapon systems.

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 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	1,118	842	255	-	-	-
Gross/Weapon System Cost (\$ in Millions)	905.738	76.453	26.686	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	905.738	76.453	26.686	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	905.738	76.453	26.686	-	-	-

(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)	810.141	90.799	104.651	-	-	-

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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⁾	532.771	1,354	721.372	72.862	842	61.350	73.615	286	21.054	-	-	-	-	-	-	-	-	-
FRET	-	-	36.598	-	-	9.002	-	-	2.526	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	24.151	-	-	0.870	-	-	0.631	-	-	-	-	-	-	-	-	-
Recurring Engineering (STS)	-	-	23.274	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Matrix Functional Support	-	-	30.770	-	-	1.850	-	-	1.660	-	-	-	-	-	-	-	-	-
Fielding	-	-	28.691	-	-	0.953	-	-	0.093	-	-	-	-	-	-	-	-	-
First Destination Transportation	-	-	40.881	-	-	2.428	-	-	0.722	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>905.737</i>	-	-	<i>76.453</i>	-	-	<i>26.686</i>	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	<i>905.737</i>	-	-	<i>76.453</i>	-	-	<i>26.686</i>	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	810.141	1,118	905.738	90.799	842	76.453	104.651	255	26.686	-	-	-	-	-	-	-	-	-

Remarks:

**The correct FY20 OCO quantity for D08900 is 191.

Secondary Distribution	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	558	255	-	-

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Exhibit P-5, Cost Analysis: PB 2021 Army **Date:** February 2020

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

Secondary Distribution	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
	Total Obligation Authority	50.632	26.686	-	-
ANG	Quantity	284	-	-	-
	Total Obligation Authority	25.821	-	-	-
Total: Secondary Distribution	Quantity	842	255	-	-
	Total Obligation Authority	76.453	26.686	-	-

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army	Date: February 2020
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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		2019	Oshkosh Defense, LLC / Wisconsin	SS / FPIF	TACOM, Warren, MI	Jan 2019	Sep 2019	842	72.862	Y		
Trailers, PLS 8 X 20		2020	Oshkosh Defense, LLC / Wisconsin	SS / FPIF	TACOM, Warren, MI	Mar 2020	Nov 2020	286	73.615	Y		

Remarks:
Unit costs are determined by range pricing at ceiling amount for each Ordering Year (OY) and reconciled after the delivery order (DO) is completed.

FY2019 PLS-T Unit Cost is based on OY4 pricing at ceiling.
FY2020 PLS-T Unit Cost is based on OY5 pricing at ceiling.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Army **Date:** February 2020

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10 **P-1 Line Item Number / Title:** 8309DA0500 / Family Of Heavy Tactical Vehicles (FHTV) **Aggregated Items Title:** Various

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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 Items																				
D12389 / Modular Catastrophic Recovery System	A		324.421	19	6.164	359.320	25	8.983	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
Army				-	-		25	8.983		-	-		-	-		-	-		-	
D16101 / CONTAINER HANDLING UNIT (CHU) KIT	A		-	-	446.138	87.679	28	2.455	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
Army				-	-		28	2.455		-	-		-	-		-	-		-	
Subtotal: Various Items			-	-	452.302	-	-	11.438	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	452.302	-	-	11.438	-	-	-	-	-	-	-	-	-	-	-	

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

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Exhibit P-5, Cost Analysis: PB 2021 Army													Date: February 2020					
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]: D16400 / FORWARD REPAIR SYSTEM (FRS)						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				825.764		0.837		-		-		-		-				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				825.764		0.837		-		-		-		-				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				825.764		0.837		-		-		-		-				
<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)				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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⁾	569.283	1,412	803.827	71.000	9	0.639	-	-	-	-	-	-	-	-	-	-	-	-
FRET	-	-	0.751	-	-	0.077	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	5.216	-	-	0.011	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	1.817	-	-	0.011	-	-	-	-	-	-	-	-	-	-	-	-
First Destination Transportation	-	-	7.180	-	-	0.099	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	818.791	-	-	0.837	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	818.791	-	-	0.837	-	-	-	-	-	-	-	-	-	-	-	-
Hardware Cost																		
Recurring Cost																		
Forward Repair System	324.250	20	6.485	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	6.485	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	6.485	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Program Management Cost																		
Government Management	-	-	0.322	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Program Management Cost</i>	-	-	0.322	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Quality Assurance Cost																		

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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]: D16400 / FORWARD REPAIR SYSTEM (FRS)
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 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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)
Quality Assurance	-	-	0.083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Quality Assurance Cost</i>	-	-	0.083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - System Engineering Cost																		
System Engineering	-	-	0.083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - System Engineering Cost</i>	-	-	0.083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	825.764	-	-	0.837	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	0.837	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	0.837	-	-	-	-

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020					
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]: D16400 / FORWARD REPAIR SYSTEM (FRS)					
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		2019	Oshkosh Defense, LLC / Wisconsin	SS / FPIF	TACOM, WARREN, MI	Mar 2019	Nov 2019	9	71.000	N		

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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:

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army								Date: February 2020				
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 2021 Army		Date: February 2020
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:
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Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	60	110	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,256.268	72.169	-	-	6.500	6.500
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,256.268	72.169	-	-	6.500	6.500
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,256.268	72.169	-	-	6.500	6.500

(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)	20,937.800	656.082	-	-	-	-

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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 Hardware ^(†)	867.619	1,437	1,246.769	597.882	110	65.767	-	-	-	-	-	-	-	-	-	-	-	-
Recurring Engineering (STS)	-	-	2.379	-	-	0.540	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes (ECP)	-	-	0.188	-	-	0.440	-	-	-	-	-	-	-	-	-	-	-	-
Matrix Functional Support	-	-	3.293	-	-	1.889	-	-	-	-	-	-	-	1.430	-	-	-	1.430
Documentation	-	-	0.166	-	-	-	-	-	-	-	-	-	-	2.353	-	-	-	2.353
Contractor Logistic Support (CLS)	-	-	-	-	-	-	-	-	-	-	-	-	-	2.717	-	-	-	2.717
Fielding	-	-	1.862	-	-	1.080	-	-	-	-	-	-	-	-	-	-	-	-
First Destination Transportation	-	-	1.612	-	-	2.307	-	-	-	-	-	-	-	-	-	-	-	-
Special Tools / Support Equipment	-	-	-	-	-	0.146	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	1,256.269	-	-	72.169	-	-	-	-	-	-	-	6.500	-	-	-	6.500
<i>Subtotal: Flyaway Cost</i>	-	-	1,256.269	-	-	72.169	-	-	-	-	-	-	-	6.500	-	-	-	6.500
Gross/Weapon System Cost	20,937.800	60	1,256.268	656.082	110	72.169	-	-	-	-	-	-	-	6.500	-	-	-	6.500

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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:
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Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	110	-	-	-	-
	Total Obligation Authority	72.169	-	-	6.500	6.500
Total:	Quantity	110	-	-	-	-
Secondary Distribution	Total Obligation Authority	72.169	-	-	6.500	6.500

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020					
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 <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
HETS Hardware		2019	Oshkosh Defense, LLC / Wisconsin	C / UCA	TACOM	May 2019	Nov 2019	110	597.882	N		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	398	0	36	32	26	58	-	-	-	-	-	492
Gross/Weapon System Cost (<i>\$ in Millions</i>)	796.226	-	23.221	21.969	15.163	37.132	-	-	-	-	-	856.579
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	796.226	-	23.221	21.969	15.163	37.132	-	-	-	-	-	856.579
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	796.226	-	23.221	21.969	15.163	37.132	-	-	-	-	-	856.579

(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>)	2,000.568	-	645.028	686.531	583.192	640.207	-	-	-	-	-	1,741.014

Description:

The Palletized Load System Extended Service Program (PLS ESP) is a Department of the Army (DA) supported recapitalization program critical to increasing the 16.5 ton payload to include armor capability for the 10 wheel drive PLS fleet. 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 advanced safety features such as obstacle detection, collision mitigation, electronic stability control as well as the foundation for automated capabilities such as Leader Follower and Automated Convoy Operations. 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 7,504.

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army	Quantity	-	36	32	26	58	-	-	-	-
	Total Obligation Authority	-	23.221	21.969	15.163	37.132	-	-	-	-
Total: Secondary Distribution	Quantity	-	36	32	26	58	-	-	-	-
	Total Obligation Authority	-	23.221	21.969	15.163	37.132	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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		398 / 796.226	0 / -	36 / 23.221	32 / 21.969	26 / 15.163	58 / 37.132
P-40	Total Gross/Weapon System Cost				398 / 796.226	0 / -	36 / 23.221	32 / 21.969	26 / 15.163	58 / 37.132

*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 2021 Base procurement dollars in the amount of \$21.969 million supports recapitalization of a quantity of 32 Palletized Load System (PLS) trucks in support of Direct Army requirements. 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.

FY 2021 OCO procurement dollars in the amount of \$15.163 million supports recapitalization of a quantity of 26 Palletized Load System (PLS) trucks in support of Direct Army requirements and the European Deterrence Initiative (EDI) requirements. These vehicles are required in support of the Combatant Command (COCOM) requirement for unit equipment sets to deter potential adversaries and support the EDI. 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.

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 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (<i>Units in Each</i>)		398	0	36	32	26	58
Gross/Weapon System Cost (<i>\$ in Millions</i>)		796.226	-	23.221	21.969	15.163	37.132
Less PY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)		796.226	-	23.221	21.969	15.163	37.132
Plus CY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)		796.226	-	23.221	21.969	15.163	37.132
<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>)		2,000.568	-	645.028	686.531	583.192	640.207

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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 Truck (ESP) ^(†)	562.126	684	384.494	-	-	-	531.050	20	10.621	544.250	32	17.416	544.269	26	14.151	544.259	58	31.567
PLS M1074A1 Truck (ESP) ^(†)	752.962	288	216.853	-	-	-	596.250	16	9.540	-	-	-	-	-	-	-	-	-
Recurring Engineering (STS)	-	-	34.812	-	-	-	-	-	-	-	-	0.567	-	-	-	-	-	0.567
Engineering Changes	-	-	43.355	-	-	-	-	-	0.405	-	-	0.645	-	-	0.212	-	-	0.857
Matrix Functional Support	-	-	31.914	-	-	-	-	-	1.751	-	-	2.009	-	-	-	-	-	2.009
Fielding	-	-	52.350	-	-	-	-	-	0.222	-	-	0.697	-	-	0.355	-	-	1.052
First Destination Transportation	-	-	32.448	-	-	-	-	-	0.682	-	-	0.635	-	-	0.445	-	-	1.080
<i>Subtotal: Recurring Cost</i>	-	-	796.226	-	-	-	-	-	23.221	-	-	21.969	-	-	15.163	-	-	37.132
<i>Subtotal: Flyaway Cost</i>	-	-	796.226	-	-	-	-	-	23.221	-	-	21.969	-	-	15.163	-	-	37.132
Gross/Weapon System Cost	2,000.568	398	796.226	-	0	-	645.028	36	23.221	686.531	32	21.969	583.192	26	15.163	640.207	58	37.132

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	-	36	32	26	58
	Total Obligation Authority	-	23.221	21.969	15.163	37.132

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Exhibit P-5, Cost Analysis: PB 2021 Army **Date:** February 2020

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

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Total:	Quantity	0	36	32	26	58
Secondary Distribution	Total Obligation Authority	-	23.221	21.969	15.163	37.132

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army **Date:** February 2020

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 Truck (ESP) ^(t)		2020	Oshkosh Defense - LLC / Oshkosh, WI	SS / FPIF	TACOM, Warren, MI	Mar 2020	Nov 2020	20	531.050	N		
PLS M1075A1 Truck (ESP) ^(t)		2021	Oshkosh Defense - LLC / Oshkosh, WI	SS / FFP	TACOM, Warren, MI	Mar 2021	Nov 2021	32	544.250	N		
PLS M1075A1 Truck (ESP) ^(t)	✓	2021	Oshkosh Defense - LLC / Oshkosh, WI	SS / FFP	TACOM, Warren, MI	Mar 2021	Nov 2021	26	544.269	N		
PLS M1074A1 Truck (ESP)		2020	Oshkosh Defense - LLC / Oshkosh, WI	SS / FPIF	TACOM, Warren, MI	Mar 2020	Nov 2020	16	596.250	N		

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

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Exhibit P-21, Production Schedule: PB 2021 Army **Date:** February 2020

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

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2020													Fiscal Year 2021													BALANCE	
O C C #	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 Truck (ESP)																																	
Prior Years Deliveries: 684																																	
	1	2020	ARMY	20	0	20																							0				
	1	2021	ARMY	32	0	32																							32				
✓	1	2021	ARMY	26	0	26																							26				
							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 2021 Army **Date:** February 2020

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

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	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 Truck (ESP)																															
Prior Years Deliveries: 684																															
	1	2020	ARMY	20	20	0																							0		
	1	2021	ARMY	32	0	32	-	2	2	2	2	3	3	3	3	3	3	3											0		
✓	1	2021	ARMY	26	0	26	-	2	2	2	2	2	2	2	2	3	3												0		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2021 Army **Date:** February 2020

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 2021	1-8-5 For 2021	MAX For 2021	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

Remarks:
FY21 OCO funding of 15.163M will procure 26 additional M1075A1 vehicles.

"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 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	793	208	549	120	-	120	15	-	-	-	-	1,685
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,035.682	109.764	194.575	65.635	-	65.635	11.225	-	-	-	-	3,416.881
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	3,035.682	109.764	194.575	65.635	-	65.635	11.225	-	-	-	-	3,416.881
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3,035.682	109.764	194.575	65.635	-	65.635	11.225	-	-	-	-	3,416.881

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	3,828.098	527.712	354.417	546.958	-	546.958	748.333	-	-	-	-	2,027.823

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 23,030.

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army	Quantity	208	549	120	-	120	15	-	-	-
	Total Obligation Authority	109.764	194.575	65.635	-	65.635	11.225	-	-	-
Total: Secondary Distribution	Quantity	208	549	120	-	120	15	-	-	-
	Total Obligation Authority	109.764	194.575	65.635	-	65.635	11.225	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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

Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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	DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv	P-5a, P-21	A		793 / 3,035.682	208 / 109.764	549 / 194.575	120 / 65.635	- / -	120 / 65.635
P-40	Total Gross/Weapon System Cost				793 / 3,035.682	208 / 109.764	549 / 194.575	120 / 65.635	- / -	120 / 65.635

*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 2021 Base procurement dollars in the amount of \$65.635 million supports the recapitalization of a total of 120 HEMTT variants in support of Direct Army and European Deterrence Initiative (EDI) requirements. These vehicles are required in support of the Combatant Command (COCOM) requirement for unit equipment sets to deter potential adversaries and support the European Deterrence Initiative (EDI). The HEMTT 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. The recapitalization of HEMTT variants prioritizes the maintenance of the capabilities for major combat and delivering all classes of supply to combat and combat support units.

The Gross Weapon System Unit Cost is incorrect for FY20 due to an incorrect quantity feed. The correct quantity for FY20 is 385 which would make the Gross Weapon System Unit Cost 505.389. Also, in FY21 the Oshkosh contract extension is planned as a Firm Fixed Price (FFP) contract type. The vehicle unit costs for hardware are estimated at the target cost in FY21. Prior to FY21 the contract type was a Fixed Price Incentive-Firm contract and costs were estimated at the ceiling.

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 2021 Army		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8948DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv	Item Number / Title [DODIC]: DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	793	208	549	120	-	120
Gross/Weapon System Cost (\$ in Millions)	3,035.682	109.764	194.575	65.635	-	65.635
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	3,035.682	109.764	194.575	65.635	-	65.635
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3,035.682	109.764	194.575	65.635	-	65.635

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	3,828.098	527.712	354.417	546.958	-	546.958

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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																		
HEMTT M984A4 Wrecker (ESP) ^(†)	941.026	426	400.877	492.481	27	13.297	463.264	110	50.959	472.542	24	11.341	-	-	-	472.542	24	11.341
HEMTT M1120A4 LHS (ESP) ^(†)	1,556.600	407	633.536	-	-	-	400.111	9	3.601	408.118	17	6.938	-	-	-	408.118	17	6.938
HEMTT M978A4 Tanker (ESP) ^(†)	707.714	647	457.891	445.276	152	67.682	454.181	248	112.637	463.250	12	5.559	-	-	-	463.250	12	5.559
HEMTT M985A4 Cargo (ESP) ^(†)	1,039.205	396	411.525	-	-	-	448.167	18	8.067	457.111	18	8.228	-	-	-	457.111	18	8.228
HEMTT M983A4 LET (ESP) ^(†)	-	-	-	401.621	29	11.647	-	-	-	421.020	49	20.630	-	-	-	421.020	49	20.630
FRET	-	-	313.911	-	-	9.520	-	-	10.201	-	-	5.487	-	-	-	-	-	5.487
Recurring Engineering (STS)	-	-	294.643	-	-	0.700	-	-	0.712	-	-	0.749	-	-	-	-	-	0.749
Engineering Changes	-	-	30.310	-	-	0.962	-	-	1.081	-	-	0.920	-	-	-	-	-	0.920
Matrix Functional Support	-	-	150.878	-	-	3.015	-	-	2.823	-	-	2.880	-	-	-	-	-	2.880
System Fielding Support	-	-	328.681	-	-	0.554	-	-	0.596	-	-	0.758	-	-	-	-	-	0.758
Transportation	-	-	13.430	-	-	2.387	-	-	3.898	-	-	2.145	-	-	-	-	-	2.145
Subtotal: Recurring Cost	-	-	3,035.682	-	-	109.764	-	-	194.575	-	-	65.635	-	-	-	-	-	65.635

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8948DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv	Item Number / Title [DODIC]: DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv
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 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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>	-	-	3,035.682	-	-	109.764	-	-	194.575	-	-	65.635	-	-	-	-	-	65.635
Gross/Weapon System Cost	3,828.098	793	3,035.682	527.712	208	109.764	354.417	549	194.575	546.958	120	65.635	-	-	-	546.958	120	65.635

Remarks:

The FY20 and FY21 QTY on the P40 is incorrect. The updated QTY is reflected on P5.

The Unit Cost in FY21 varies for the Oshkosh contract extension which is planned as a Firm Fixed Price (FFP) contract type. The vehicle unit costs for hardware are estimated at the target cost in FY21. Prior to FY21 the contract type was a Fixed Price Incentive-Firm contract and costs were estimated at the ceiling.

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	208	549	120	-	120
	Total Obligation Authority	109.764	194.575	65.635	-	65.635
Total:	Quantity	208	549	120	-	120
Secondary Distribution	Total Obligation Authority	109.764	194.575	65.635	-	65.635

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army **Date:** February 2020

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8948DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv	Item Number / Title [DODIC]: DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv
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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
HEMTT M984A4 Wrecker (ESP) ^(†)		2019	Oshkosh Defense, LLC / Wisconsin	SS / FPIF	TACOM, WARREN, MI	Mar 2019	Nov 2019	27	492.481	Y		
HEMTT M984A4 Wrecker (ESP) ^(†)		2020	Oshkosh Defense, LLC / Wisconsin	SS / FPIF	TACOM, WARREN, MI	Mar 2020	Nov 2020	110	463.264	Y		
HEMTT M984A4 Wrecker (ESP) ^(†)		2021	Oshkosh Defense, LLC / Wisconsin	SS / FFP	TACOM, WARREN, MI	Mar 2021	Nov 2021	24	472.542	N		
HEMTT M1120A4 LHS (ESP) ^(†)		2020	Oshkosh Defense, LLC / Wisconsin	SS / FPIF	TACOM, WARREN, MI	Mar 2020	Nov 2020	9	400.111	Y		
HEMTT M1120A4 LHS (ESP) ^(†)		2021	Oshkosh Defense, LLC / Wisconsin	SS / FFP	TACOM, WARREN, MI	Mar 2021	Nov 2021	17	408.118	N		
HEMTT M978A4 Tanker (ESP) ^(†)		2019	Oshkosh Defense, LLC / Wisconsin	SS / FPIF	TACOM, WARREN, MI	Mar 2019	Nov 2019	152	445.276	Y		
HEMTT M978A4 Tanker (ESP) ^(†)		2020	Oshkosh Defense, LLC / Wisconsin	SS / FPIF	TACOM, WARREN, MI	Mar 2020	Nov 2020	248	454.181	Y		
HEMTT M978A4 Tanker (ESP) ^(†)		2021	Oshkosh Defense, LLC / Wisconsin	SS / FFP	TACOM, WARREN, MI	Mar 2021	Nov 2021	12	463.250	N		
HEMTT M985A4 Cargo (ESP) ^(†)		2020	Oshkosh Defense, LLC / Wisconsin	SS / FPIF	TACOM, WARREN, MI	Mar 2020	Nov 2020	18	448.167	Y		
HEMTT M985A4 Cargo (ESP) ^(†)		2021	Oshkosh Defense, LLC / Wisconsin	SS / FFP	TACOM, WARREN, MI	Mar 2021	Nov 2021	18	457.111	N		
HEMTT M983A4 LET (ESP) ^(†)		2019	Oshkosh Defense, LLC / Wisconsin	SS / FPIF	TACOM, WARREN, MI	Mar 2019	Nov 2019	29	401.621	Y		
HEMTT M983A4 LET (ESP) ^(†)		2021	Oshkosh Defense, LLC / Wisconsin	SS / FFP	TACOM, WARREN, MI	Mar 2021	Nov 2021	49	421.020	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2021 Army															Date: February 2020														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 8948DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv										Item Number / Title [DODIC]: DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv									

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					
HEMTT M984A4 Wrecker (ESP)																																			
Prior Years Deliveries: 426																																			
	1	2019	ARMY	27	27	0																							0						
	1	2020	ARMY	110	0	110	-	9	9	9	10	10	9	9	9	9	9	9											0						
	1	2021	ARMY	24	0	24														4	4	4	4	4	-	-	-	-	4						
HEMTT M1120A4 LHS (ESP)																																			
Prior Years Deliveries: 407																																			
	2	2020	ARMY	9	0	9	-	3	3	-	-	-	-	-	-	-	-	3										0							
	2	2021	ARMY	17	0	17													3	3	3	3	2	-	-	-	-	3							
HEMTT M978A4 Tanker (ESP)																																			
Prior Years Deliveries: 647																																			
	3	2019	ARMY	152	140	12	12																					0							
	3	2020	ARMY	248	0	248	-	20	20	21	21	21	21	21	21	21	20	20										0							
	3	2021	ARMY	12	0	12													3	3	3	3						0							
HEMTT M985A4 Cargo (ESP)																																			
Prior Years Deliveries: 396																																			
	4	2020	ARMY	18	0	18	-	4	4	5	5																	0							
	4	2021	ARMY	18	0	18													3	3	3	3	3	3	3			0							
HEMTT M983A4 LET (ESP)																																			
	5	2019	ARMY	29	27	2	2																					0							
	5	2021	ARMY	49	0	49													8	9	8	8	8	8				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 2021 Army															Date: February 2020														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 8948DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv										Item Number / Title [DODIC]: DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv									

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	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						
HEMTT M984A4 Wrecker (ESP)																																				
Prior Years Deliveries: 426																																				
	1	2019	ARMY	27	27	0																												0		
	1	2020	ARMY	110	110	0																												0		
	1	2021	ARMY	24	20	4		4																										0		
HEMTT M1120A4 LHS (ESP)																																				
Prior Years Deliveries: 407																																				
	2	2020	ARMY	9	9	0																												0		
	2	2021	ARMY	17	14	3		3																											0	
HEMTT M978A4 Tanker (ESP)																																				
Prior Years Deliveries: 647																																				
	3	2019	ARMY	152	152	0																												0		
	3	2020	ARMY	248	248	0																													0	
	3	2021	ARMY	12	12	0																													0	
HEMTT M985A4 Cargo (ESP)																																				
Prior Years Deliveries: 396																																				
	4	2020	ARMY	18	18	0																													0	
	4	2021	ARMY	18	18	0																														0
HEMTT M983A4 LET (ESP)																																				
	5	2019	ARMY	29	29	0																														0
	5	2021	ARMY	49	49	0																														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 2021 Army		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10		P-1 Line Item Number / Title: 8948DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv
		Item Number / Title [DODIC]: DV0021 / Hvy Expanded Mobile Tactical Truck Ext Serv

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	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 - Wisconsin	20	924	2,520	0	6	8	14	0	6	8	14
2	Oshkosh Defense, LLC - Wisconsin	20	924	2,520	0	6	8	14	0	6	8	14
3	Oshkosh Defense, LLC - Wisconsin	20	924	2,520	0	6	8	14	0	6	8	14
4	Oshkosh Defense, LLC - Wisconsin	20	924	2,520	0	6	8	14	0	6	8	14
5	Oshkosh Defense, LLC - Wisconsin	20	924	2,520	0	6	8	14	0	6	8	14

Remarks:
The Minimum Sustainment Rate (MSR) for Oshkosh Defense is a total of 20 vehicles per month for any model mix of the variant of vehicles identified on the P-21.

"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 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	85	86	-	86	546	1,096	305	357	-	2,475
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,595.563	-	30.734	5.927	-	5.927	40.156	79.877	27.972	31.920	-	3,812.149
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	3,595.563	-	30.734	5.927	-	5.927	40.156	79.877	27.972	31.920	-	3,812.149
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3,595.563	-	30.734	5.927	-	5.927	40.156	79.877	27.972	31.920	-	3,812.149

(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>)	-	-	361.576	68.919	-	68.919	73.546	72.880	91.711	89.412	-	1,540.262

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 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). This Recap effort is funded with OMA SAG 131 funding as well. The 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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army	Quantity	-	85	86	-	86	546	1,096	305	357
	Total Obligation Authority	-	30.734	5.927	-	5.927	40.156	79.877	27.972	31.920
Total: Secondary Distribution	Quantity	-	85	86	-	86	546	1,096	305	357
	Total Obligation Authority	-	30.734	5.927	-	5.927	40.156	79.877	27.972	31.920

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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

Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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	DV0230 / HMMWV Recapitalization Program	P-5a, P-21			- / 3,595.563	- / -	85 / 30.734	86 / 5.927	- / -	86 / 5.927
P-40	Total Gross/Weapon System Cost				- / 3,595.563	- / -	85 / 30.734	86 / 5.927	- / -	86 / 5.927

*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 2021 Base procurement dollars in the amount of \$5.927 million procures recapitalization for 86 Non-Armored HMMWVs and program support for the modernization of the Army's NAH fleet. These procurement funds pay for the fleet age reduction and technology insertions (two-thirds of the costs), and the Army is separately funding the IROAN portion of the work with Operations and Support funds (one third of the costs). During recapitalization, seed vehicles will be torn down to the frame then built up, with procurement funds replacing the powerpack, integrating ABS/ESC and other low risk technology inserts combined with the IROAN portion funded by Operations and Support for the rest of the vehicle maintenance.

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.

Correct FY20 quantity is 261.

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.

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8953DV0230 / HMMWV Recapitalization Program	Item Number / Title [DODIC]: DV0230 / HMMWV Recapitalization Program

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	-	-	85	86	-	86
Gross/Weapon System Cost (\$ in Millions)	3,595.563	-	30.734	5.927	-	5.927
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	3,595.563	-	30.734	5.927	-	5.927
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3,595.563	-	30.734	5.927	-	5.927

(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)	-	-	361.576	68.919	-	68.919

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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																		
Product Management Support	-	-	-	-	-	-	-	-	0.852	-	-	0.376	-	-	-	-	-	0.376
NAH Manufacturing ^(†)	-	-	-	-	-	-	58.315	89	5.190	59.663	86	5.131	-	-	-	59.663	86	5.131
Fielding	-	-	-	-	-	-	-	-	0.870	-	-	0.420	-	-	-	-	-	0.420
New Production M1152A1	-	-	-	-	-	-	138.500	172	23.822	-	-	-	-	-	-	-	-	-
Other	-	-	3,595.563	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	3,595.563	-	-	-	-	-	30.734	-	-	5.927	-	-	-	-	-	5.927
<i>Subtotal: Flyaway Cost</i>	-	-	3,595.563	-	-	-	-	-	30.734	-	-	5.927	-	-	-	-	-	5.927
Gross/Weapon System Cost	-	-	3,595.563	-	-	-	361.576	85	30.734	68.919	86	5.927	-	-	-	68.919	86	5.927

Remarks:

Cost Element 'Other' includes vehicles, kits and services funded from FY2005-FY2011.

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	-	85	86	-	86
	Total Obligation Authority	-	30.734	5.927	-	5.927
Total:	Quantity	-	85	86	-	86

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10	P-1 Line Item Number / Title: 8953DV0230 / HMMWV Recapitalization Program	Item Number / Title [DODIC]: DV0230 / HMMWV Recapitalization Program

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

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Secondary Distribution	Total Obligation Authority	-	30.734	5.927	-	5.927

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10			P-1 Line Item Number / Title: 8953DV0230 / HMMWV Recapitalization Program					Item Number / Title [DODIC]: DV0230 / HMMWV Recapitalization Program				
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
NAH Manufacturing ^(†)		2020	Red River Army Depot / Texarkana, Texas	MIPR	TACOM/ Warren	Mar 2020	Sep 2020	89	58.315	N		Sep 2019
NAH Manufacturing ^(†)		2021	Red River Army Depot / Texarkana, Texas	MIPR	TACOM/ Warren	Jan 2021	Jul 2021	86	59.663	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2021 Army															Date: February 2020														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10										P-1 Line Item Number / Title: 8953DV0230 / HMMWV Recapitalization Program										Item Number / Title [DODIC]: DV0230 / HMMWV Recapitalization Program									

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			
NAH Manufacturing																																	
	1	2020	ARMY	89	89	0																								0			
	1	2021	ARMY	86	66	20	20																							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			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2021 Army							Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 01 / 10				P-1 Line Item Number / Title: 8953DV0230 / HMMWV Recapitalization Program				Item Number / Title [DODIC]: DV0230 / HMMWV Recapitalization Program				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	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	Red River Army Depot - Texarkana, Texas	20	95	100	0	6	6	12	0	4	6	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-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	2,314	1,150	1,163	36	-	36	286	99	65	60	-	5,173
Gross/Weapon System Cost (<i>\$ in Millions</i>)	700.048	83.138	95.113	36.497	27.066	63.563	45.792	25.658	23.419	23.750	-	1,060.481
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	700.048	83.138	95.113	36.497	27.066	63.563	45.792	25.658	23.419	23.750	-	1,060.481
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	700.048	83.138	95.113	36.497	27.066	63.563	45.792	25.658	23.419	23.750	-	1,060.481

(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>)	302.527	72.294	81.782	1,013.806	-	1,765.639	160.112	259.172	360.292	395.833	-	205.003

Description:

The Medium Tactical Vehicles (MTV) Protection Kit Suite includes an Armor Kit (side), a Fuel Tank Fire Suppression (FTFS) kit, and an Underbody Armor Kit (UAK). The Armor Kit (side) consists of applique armor panels that are mounted to the FMTV A-Cab exterior to further improve occupant survivability from attack. The FTFS is a ballistic fire protection system designed to cover the fuel tank on the LTAS FMTV. The UAK 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 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 17,935 each Armor Kit (side) and UAK.

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), Fire Suppression, Fuel Tank Fire Suppression (FTFS) Blanket, 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 HET Tractor in place of the unarmored base cab. The HETS, equipped with a HUSK cab, will be capable of transporting heavy equipment in support of Large Scale Ground Combat Operations. 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 Acquisition Objective (AAO) for HTV Protection Kits is 13,666 and the AAO for the HUSK is 572.

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

Secondary Distribution	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	
Army										
	Quantity	1,150	1,163	36	-	36	286	99	65	60
	Total Obligation Authority	83.138	95.113	36.497	27.066	63.563	45.792	25.658	23.419	23.750
Total:	Quantity	1,150	1,163	36	-	36	286	99	65	60

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Secondary Distribution	Total Obligation Authority	83.138	95.113	36.497	27.066	63.563	45.792	25.658	23.419	23.750

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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		760 / 252.873	404 / 36.017	876 / 44.019	- / 17.527	- / 27.066	- / 44.593
P-5	D04017 / HEAVY TACTICAL VEHICLE PROTECTION KITS	P-5a, P-21	A		1,554 / 447.175	746 / 47.121	287 / 51.094	36 / 18.970	- / -	36 / 18.970
P-40	Total Gross/Weapon System Cost				2,314 / 700.048	1,150 / 83.138	1,163 / 95.113	36 / 36.497	- / 27.066	36 / 63.563

*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 2021 Medium Tactical Vehicle (MTV) Protection Kits Base procurement dollars in the amount of \$44.593 million (includes \$27.066 million Base European Deterrence Initiative (BEDI) procurement dollars) supports procurement of 108 B-Kits, 452 each A1P2 Underbody Armor Kits (UAK), and 212 A2 UAK to support Active Army units. The BEDI 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 the Medium Tactical Vehicle (MTV) closer to the Army Tactical Wheeled Vehicle (TWV) strategy of 30% Armor Kits (side) and UAKs 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 2021 Heavy Tactical Vehicle (HTV) Protection Kits Base procurement dollars in the amount of \$18.970 million procures 36 each Heavy Equipment Transporter System (HETS) Urban Survivability Kits (HUSK) to support Active Army units and Army Pre-positioned Stocks (APS). 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. The HUSK is the armored replacement cab for the Heavy Equipment Transporter System (HETS) that has an increased payload to provide the ability for the 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 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 FY 2021, \$1.422 million in Reimbursable Manpower for this line has been realigned from Reimbursable Civilian Funding to Direct Operations and Maintenance. Program support costs have been accurately updated to reflect the realignments.

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 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	760	404	876	-	-	-
Gross/Weapon System Cost (\$ in Millions)	252.873	36.017	44.019	17.527	27.066	44.593
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	252.873	36.017	44.019	17.527	27.066	44.593
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	252.873	36.017	44.019	17.527	27.066	44.593

(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)	332.728	89.151	50.250	-	-	-

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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) ^(†)	62.945	3,758	236.548	43.623	782	34.113	43.996	956	42.060	35.093	108	3.790	-	-	-	35.093	108	3.790
FMTV A1P2 C-kits (Underbody Armor Kit) ^(†)	-	-	-	-	-	-	-	-	-	69.525	80	5.562	69.522	372	25.862	69.522	452	31.424
FMTV A2 C-kits (Underbody Armor Kit) ^(†)	-	-	-	-	-	-	-	-	-	34.759	212	7.369	-	-	-	34.759	212	7.369
Transportation	-	-	3.241	-	-	0.818	-	-	0.701	-	-	0.304	-	-	0.428	-	-	0.732
Engineering Changes	-	-	4.470	-	-	1.086	-	-	1.258	-	-	0.502	-	-	0.776	-	-	1.278
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>	-	-	252.873	-	-	36.017	-	-	44.019	-	-	17.527	-	-	27.066	-	-	44.593
<i>Subtotal: Flyaway Cost</i>	-	-	252.873	-	-	36.017	-	-	44.019	-	-	17.527	-	-	27.066	-	-	44.593
Gross/Weapon System Cost	332.728	760	252.873	89.151	404	36.017	50.250	876	44.019	-	-	17.527	-	-	27.066	-	-	44.593

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	404	876	-	-	-
	Total Obligation Authority	36.017	44.019	17.527	27.066	44.593
Total: Secondary Distribution	Quantity	404	876	-	-	-
	Total Obligation Authority	36.017	44.019	17.527	27.066	44.593

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020				
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)		2019	O'Gara Armoring / Fairfield, OH	C / FFP	Fairfield, OH	Mar 2020	Jul 2020	782	43.623	N		
FMTV A1P2 B-Kits (Side Armor)		2020	O'Gara Armoring / Fairfield, OH	C / FFP	Fairfield, OH	Mar 2020	Jul 2020	956	43.996	N		
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) ^(†)		2021	O'Gara Armoring / Fairfield, OH	C / FFP	Fairfield, OH	Feb 2021	Jun 2021	80	69.525	N		
FMTV A1P2 C-kits (Underbody Armor Kit) ^(†)	✓	2021	O'Gara Armoring / Fairfield, OH	C / FFP	Fairfield, OH	Feb 2021	Jun 2021	372	69.522	N		
FMTV A2 C-kits (Underbody Armor Kit) ^(†)		2021	Oshkosh Defense / Oshkosh, WI	C / FFP	Oshkosh, WI	Feb 2021	Jun 2021	212	34.759	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2021 Army														Date: February 2020																											
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 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					
FMTV A1P2 C-kits (Underbody Armor Kit)																																			
	1	2021	ARMY	80	24	56	7	7	7	7	7	7	7	7															0						
✓	1	2021	ARMY	372	124	248	31	31	31	31	31	31	31	31															0						
FMTV A2 C-kits (Underbody Armor Kit)																																			
	2	2021	ARMY	212	68	144	17	17	18	18	18	18	19	19															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 2021 Army		Date: February 2020
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 / Month)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	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	20	40	80	0	5	8	13	0	5	4	9
2	Oshkosh Defense - Oshkosh, WI	20	40	80	0	5	8	13	0	5	4	9

"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 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	1,554	746	287	36	-	36
Gross/Weapon System Cost (\$ in Millions)	447.175	47.121	51.094	18.970	-	18.970
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	447.175	47.121	51.094	18.970	-	18.970
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	447.175	47.121	51.094	18.970	-	18.970

(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)	287.757	63.165	178.028	526.944	-	526.944

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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) ^(†)	622.000	2	1.244	483.333	12	5.800	474.500	24	11.388	462.806	36	16.661	-	-	-	462.806	36	16.661
Palletized Load System (PLS) B-Kits ^(†)	139.764	508	71.000	51.106	142	7.257	-	-	-	-	-	-	-	-	-	-	-	-
Heavy Expanded Mobility Tactical Truck (HEMTT) B-Kits ^(†)	126.994	1,567	199.000	47.314	592	28.010	-	-	-	-	-	-	-	-	-	-	-	-
PLS / HEMTT C-Kits ^(†)	-	-	-	-	-	-	89.184	370	32.998	-	-	-	-	-	-	-	-	-
M915 B-Kits	158.477	814	129.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes (ECO)	-	-	5.916	-	-	0.700	-	-	0.779	-	-	-	-	-	-	-	-	-
Matrix Functional Support	-	-	14.000	-	-	1.856	-	-	2.199	-	-	2.203	-	-	-	-	-	2.203
Systems Test and Evaluation	-	-	1.138	-	-	0.380	-	-	0.554	-	-	-	-	-	-	-	-	-
Data	-	-	1.998	-	-	0.550	-	-	-	-	-	-	-	-	-	-	-	-
Transportation	-	-	14.000	-	-	0.877	-	-	1.209	-	-	0.042	-	-	-	-	-	0.042
ISO Containers - Protection Kits	-	-	8.199	-	-	0.797	-	-	1.647	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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:

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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)
Storage and Handling - Protection Kits	-	-	0.125	-	-	0.244	-	-	0.320	-	-	0.064	-	-	-	-	-	0.064
<i>Subtotal: Recurring Cost</i>	-	-	445.620	-	-	46.471	-	-	51.094	-	-	18.970	-	-	-	-	-	18.970
Non Recurring Cost																		
HUSK Tooling	-	-	-	-	-	0.650	-	-	-	-	-	-	-	-	-	-	-	-
RIA HUSK Start-Up Cost	-	-	1.555	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	1.555	-	-	0.650	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	447.175	-	-	47.121	-	-	51.094	-	-	18.970	-	-	-	-	-	18.970
Gross/Weapon System Cost	287.757	1,554	447.175	63.165	746	47.121	178.028	287	51.094	526.944	36	18.970	-	-	-	526.944	36	18.970

Remarks:
HUSK unit cost reductions are due to a price break offered when the number of units ordered exceeds a quantity threshold, resulting in a decreased cost per unit.

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	746	287	36	-	36
	Total Obligation Authority	47.121	51.094	18.970	-	18.970
Total:	Quantity	746	287	36	-	36
Secondary Distribution	Total Obligation Authority	47.121	51.094	18.970	-	18.970

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020				
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) ^(†)		2019	Rock Island Arsenal / Rock Island, IL	MIPR	TACOM, Warren, MI	Jul 2019	Oct 2019	12	483.333	Y		
HETS Urban Survivability Kits (HUSK) ^(†)		2020	Rock Island Arsenal / Rock Island, IL	MIPR	TACOM, Warren, MI	May 2020	Aug 2020	24	474.500	Y		
HETS Urban Survivability Kits (HUSK) ^(†)		2021	Rock Island Arsenal / Rock Island, IL	MIPR	TACOM, Warren, MI	May 2021	Aug 2021	36	462.806	Y		
Palletized Load System (PLS) B-Kits		2019	TBD / TBD	C / IDIQ	TACOM, Warren, MI	Jul 2020	Oct 2020	142	51.106	Y		
Heavy Expanded Mobility Tactical Truck (HEMTT) B-Kits		2019	TBD- / TBD-	C / IDIQ	TACOM, Warren, MI	Jul 2020	Oct 2020	592	47.314	Y		
PLS / HEMTT C-Kits		2020	TBD- / TBD-	C / IDIQ	TACOM, Warren, MI	Jan 2021	Apr 2021	370	89.184	Y		

^(†) indicates the presence of a P-21

Remarks:
A follow on contract is to be determined upon completion of competitive bid process, production rates and lead times are estimated until new contract award.

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Exhibit P-21, Production Schedule: PB 2021 Army														Date: February 2020														
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 <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
HETS Urban Survivability Kits (HUSK)																															
Prior Years Deliveries: 2																															
	1	2019	ARMY	12	12	0																						0			
	1	2020	ARMY	24	4	20	2	2	2	2	2	2	2	2	2													0			
	1	2021	ARMY	36	0	36							A	-	-	-	3	3	3	3	3	3	3	3	3	3	3	0			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2021 Army		Date: February 2020
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

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	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	Rock Island Arsenal - Rock Island, IL	1	1	3	0	5	4	9	0	8	3	11

"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 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	7,029.887	256.642	83.627	114.977	-	114.977	29.661	0.456	-	-	-	7,515.250
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	7,029.887	256.642	83.627	114.977	-	114.977	29.661	0.456	-	-	-	7,515.250
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7,029.887	256.642	83.627	114.977	-	114.977	29.661	0.456	-	-	-	7,515.250

(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 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 addition, will include other kits to modernize the HMMWV fleet.

The Family of Heavy Tactical Vehicles (FHTV) line funds the United States Army Europe (USAREUR) Operational Needs Statement (ONS #17-22207) 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. The AROC memo additionally directed the 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. This modification will ensure a flexible theatre 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 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; Explosive Ordnance Disposal (EOD) Units; and Area Clearance Platoons.

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	249.307	69.970	114.977	-	114.977	29.661	0.456	-	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.351	13.657	-	-	-	-	-	-	-
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.984	-	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	256.642	83.627	114.977	-	114.977	29.661	0.456	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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	DA0925 / MODIFICATION HARDWARE (Various)				- / 2,334.430	- / 214.738	- / 62.045	- / 93.750	- / -	- / 93.750
P-3a	DA0926 / MODIFICATION APPLICATION (Various)				- / 4,695.457	- / 41.904	- / 21.582	- / 21.227	- / -	- / 21.227
P-40	Total Gross/Weapon System Cost				- / 7,029.887	- / 256.642	- / 83.627	- / 114.977	- / -	- / 114.977

Exhibits Schedule					FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	DA0925 / MODIFICATION HARDWARE (Various)				- / 29.661	- / 0.456	- / -	- / -	- / -	- / 2,735.080
P-3a	DA0926 / MODIFICATION APPLICATION (Various)				- / -	- / -	- / -	- / -	- / -	- / 4,780.170
P-40	Total Gross/Weapon System Cost				- / 29.661	- / 0.456	- / -	- / -	- / -	- / 7,515.250

*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 2021 Base procurement dollars in the amount of \$21.227 million provides for 137 United States Army Europe (USAREUR) Heavy Equipment Transporter Systems (HETS) Operational Needs Statement (ONS) tractor modifications to pair with commercial new production trailers. Per Army Leadership this additional 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. 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.

In addition, the FY 2021 Base procurement dollars in the amount of \$93.750 million procures 5,421 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.

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Exhibit P-3a, Individual Modification: PB 2021 Army		Date: February 2020
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:
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Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,334.430	214.738	62.045	93.750	-	93.750	29.661	0.456	-	-	-	2,735.080
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	2,334.430	214.738	62.045	93.750	-	93.750	29.661	0.456	-	-	-	2,735.080
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,334.430	214.738	62.045	93.750	-	93.750	29.661	0.456	-	-	-	2,735.080

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	4,668.860	688.263	1,034.083	17.294	-	17.294	-	-	-	-	-	434.623

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 addition, will include other kits to modernize the HMMWV fleet.

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.

The Family of Heavy Tactical Vehicles (FHTV) modification effort includes, but is not limited to, upgrades to the Palletized Load System Trailer (PLST) with Container Transfer Enhancement (CTE). The CTE enables the PLS truck to directly transload a standard 20-foot International Organization for Standardization (ISO) container to the M1076 PLS trailer without the need for a M1077 flatrack. In addition, this line funds the United States Army Europe (USAREUR) Operational Needs Statement (ONS #17-22207) for Heavy Equipment Transporter System (HETS) tractor modifications. It utilizes the existing M1070A1 HETS tractor to meet the payload screen and road transportability benchmark and provides the best cost, delivery schedule and risk rating. Per Army Leadership, the USAREUR HETS ONS solution shall ultimately be capable of carrying up to 85 tons of payload and receive road permits at 75 tons within the European Union. Modifications to the tractor will allow the use of the HETS Urban Survivability Kit (HUSK) armored cab if operational conditions change. This line can also fund modifications for active safety; autonomy; modernization and Modification Work Orders (MWOs).

Secondary Distribution	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	207.403	48.388	93.750	-	93.750	29.661	0.456	-	-
ANG	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	3.351	13.657	-	-	-	-	-	-	-
AR	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	3.984	-	-	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2021 Army						Date: February 2020				
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:					
Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	214.738	62.045	93.750	-	93.750	29.661	0.456	-	-

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Exhibit P-3a, Individual Modification: PB 2021 Army										Date: February 2020			
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 3: Recapitalization (MPCRV)													
A Kits													
Recurring													
Engineering Support (STS)	- / 17.078	- / 14.000	- / 17.075	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 28.153	
Kit Quantity	614 / 1,957.476	181 / 71.187	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	795 / 2,028.663	
Fielding - OPNET/FLMNET	- / 18.527	- / 19.210	- / 27.816	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 65.553	
Equipment	- / 143.991	- / 151.448	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 95.439	
Parts	- / 17.373	- / 15.576	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.949	
Program Support	- / 130.058	- / 115.298	- / 13.319	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 48.675	
Transportation	- / 14.000	- / 14.450	- / 15.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.490	
Testing	- / 126.220	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.220	
ICLS	- / 135.842	- / 116.551	- / 14.467	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 66.860	
GFE	- / 12.844	- / 18.894	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.738	
Log Support	- / 17.388	- / 19.069	- / 14.328	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.785	
Subtotal: Recurring	614 / 2,160.797	181 / 205.683	- / 162.045	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	795 / 2,428.525	
Subtotal: Recapitalization (MPCRV)	614 / 2,160.797	181 / 205.683	- / 162.045	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	795 / 2,428.525	
Modification Item 2 of 3: Family of Heavy Tactical Vehicles MOD Efforts													
A Kits													
Recurring													
HEMTTA4 GMT Crane Effort	26 / 6.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 6.200	
CTE KIT Procurement/Install	487 / 152.782	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	487 / 152.782	
CTE Kit Procurement/Install (OCO Only)	193 / 3.307	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	193 / 3.307	
CTE - Matrix Functionl Support	- / 3.720	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.720	
CTE - Fielding	- / 1.895	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.895	
CTE FDT	- / 12.264	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.264	
PLS Hook Arm Pin Effort	- / 13.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.465	
HETS Tractor Mods - Hardware	- / -	170 / 9.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	170 / 9.055	
Subtotal: Recurring	706 / 173.633	170 / 9.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	876 / 182.688	
Subtotal: Family of Heavy Tactical Vehicles MOD Efforts	706 / 173.633	170 / 9.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	876 / 182.688	
Modification Item 3 of 3: HMMWV ABS/ESC Retrofit Kits													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 Army **Date:** February 2020

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:**

Models of Systems Affected: Various **Modification Type:** Various **Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
B Kits												
Recurring												
HMMWV ABS/ESC Retrofit Kits	- / -	- / -	- / -	5,421 / 71.737	- / -	5,421 / 71.737	1,593 / 23.063	24 / 0.355	- / -	- / -	- / -	7,038 / 95.155
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	5,421 / 71.737	- / -	5,421 / 71.737	1,593 / 23.063	24 / 0.355	- / -	- / -	- / -	7,038 / 95.155
<i>Subtotal: HMMWV ABS/ESC Retrofit Kits</i>	- / -	- / -	- / -	5,421 / 71.737	- / -	5,421 / 71.737	1,593 / 23.063	24 / 0.355	- / -	- / -	- / -	7,038 / 95.155
<i>Subtotal: Procurement, All Modification Items</i>	1,320 / 2,334.430	351 / 214.738	- / 62.045	5,421 / 71.737	- / -	5,421 / 71.737	1,593 / 23.063	24 / 0.355	- / -	- / -	- / -	8,709 / 2,706.368
Installation												
<i>Modification Item 3 of 3: HMMWV ABS/ESC Retrofit Kits</i>	- / -	- / -	- / -	5,421 / 22.013	- / -	5,421 / 22.013	1,593 / 6.598	24 / 0.101	- / -	- / -	- / -	7,038 / 28.712
<i>Subtotal: Installation</i>	- / -	- / -	- / -	5,421 / 22.013	- / -	5,421 / 22.013	1,593 / 6.598	24 / 0.101	- / -	- / -	- / -	7,038 / 28.712
Total												
Total Cost (Procurement + Support + Installation)	2,334.430	214.738	62.045	93.750	-	93.750	29.661	0.456	-	-	-	2,735.080

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 Army						Date: February 2020	
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 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Feb 2019						
Delivery Dates	Jul 2019						
Installation Information							
Method of Implementation (Organic): Depot Recap					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 Army		Date: February 2020
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:
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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 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Jun 2019	Jun 2020					
Delivery Dates	Sep 2019	Sep 2020					

Installation Information

Method of Implementation: Oskkosh

Installation Cost	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	PYS	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1,445	140	140	64	64	64	64	39	39	39	39	14	14	14	14	14	14	13	13	26	26	-	-	-	-	-	-	-	-	156	2,455
Out	1,305	140	140	140	64	64	64	64	39	39	39	39	14	14	14	14	14	14	13	13	26	-	-	-	-	-	-	-	-	182	2,455

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Exhibit P-3a, Individual Modification: PB 2021 Army **Date:** February 2020

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 ABS/ESC Retrofit Kits

Manufacturer Information

Manufacturer Name: Red River Army Depot	Manufacturer Location: Texarkana, TX
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Administrative Leadtime (in Months): 4	Production Leadtime (in Months): 4
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Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates			Jan 2021				
Delivery Dates			May 2021				

Installation Information

Method of Implementation: Product Office contracted Field Support Representative (FSR) teams

Installation Cost	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	5,421 / 22.013	- / -	5,421 / 22.013	- / -	- / -	- / -	- / -	- / -	5,421 / 22.013
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	1,593 / 6.598	- / -	- / -	- / -	- / -	1,593 / 6.598
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.101	- / -	- / -	- / -	24 / 0.101
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	5,421 / 22.013	- / -	5,421 / 22.013	1,593 / 6.598	24 / 0.101	- / -	- / -	- / -	7,038 / 28.712

Installation Schedule

	PYS	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	-	-	-	-	-	-	-	-	-	-	1,355	1,355	1,355	1,356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Out	-	-	-	-	-	-	-	-	-	-	-	1,355	1,355	1,355	1,356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	4,695.457	41.904	21.582	21.227	-	21.227	-	-	-	-	-	4,780.170
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	4,695.457	41.904	21.582	21.227	-	21.227	-	-	-	-	-	4,780.170
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	4,695.457	41.904	21.582	21.227	-	21.227	-	-	-	-	-	4,780.170

(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)	-	-	654.000	154.942	-	154.942	-	-	-	-	-	28,118.647

Description:

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.

The Family of Heavy Tactical Vehicles (FHTV) line funds the United States Army Europe (USAREUR) Operational Needs Statement (ONS #17-22207) for Heavy Equipment Transporter System (HETS) tractor modifications. Existing M1070A1 HETS tractors will be modified to M1300 tractors in order to meet the payload requirements directed in the 1 DEC 17 Army Requirements Oversight Council (AROC) memo of 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. The AROC memo additionally directed the further modification of M1070A1 tractors to 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. This modification will ensure a flexible theatre 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; and Modification Work Orders (MWOs).

FY 2021 Base procurement dollars in the amount of \$21.227 million provides for 137 United States Army Europe (USAREUR) Heavy Equipment Transporter Systems (HETS) Operational Needs Statement (ONS) tractor modifications to pair with commercial new production trailers. Per the 1 DEC 17 Army Requirements Oversight Council (AROC), this additional 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. 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.

Secondary Distribution	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	41.904	21.582	21.227	-	21.227	-	-	-	-
Total:									
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 Army		Date: February 2020
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:** _____

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Secondary Distribution	Total Obligation Authority	41.904	21.582	21.227	-	21.227	-	-	-	-

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UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 Army										Date: February 2020			
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 2: Recapitalization (MPCRV)/ Fielding/FLMNET</i>													
A Kits													
Recurring													
Kit Quantity	- / 4,684.971	- / 40.510	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4,725.481	
Fielding/FLMNET	- / -	- / -	- / 5.582	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.582	
<i>Subtotal: Recurring</i>	- / 4,684.971	- / 40.510	- / 5.582	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4,731.063	
<i>Subtotal: Recapitalization (MPCRV)/ Fielding/FLMNET</i>	- / 4,684.971	- / 40.510	- / 5.582	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4,731.063	
<i>Modification Item 2 of 2: Family of Heavy Tactical Vehicles MOD Efforts</i>													
<i>Subtotal: Family of Heavy Tactical Vehicles MOD Efforts</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	
<i>Subtotal: Procurement, All Modification Items</i>	- / 4,684.971	- / 40.510	- / 5.582	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4,731.063	
Installation													
<i>Modification Item 2 of 2: Family of Heavy Tactical Vehicles MOD Efforts</i>	3,491 / 10.486	262 / 1.394	33 / 16.000	137 / 21.227	- / -	137 / 21.227	- / -	- / -	- / -	- / -	- / -	3,923 / 49.107	
<i>Subtotal: Installation</i>	3,491 / 10.486	262 / 1.394	33 / 16.000	137 / 21.227	- / -	137 / 21.227	- / -	- / -	- / -	- / -	- / -	3,923 / 49.107	
Total													
Total Cost (Procurement + Support + Installation)	4,695.457	41.904	21.582	21.227	-	21.227	-	-	-	-	-	4,780.170	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 Army					Date: February 2020		
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 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Feb 2019						
Delivery Dates	Jul 2019						
Installation Information							
Method of Implementation (Organic): Depot Recap					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2021 Army		Date: February 2020
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: Family of Heavy Tactical Vehicles MOD Efforts

Manufacturer Information

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

Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Jun 2019	Jul 2020	Dec 2020				
Delivery Dates	Sep 2019	Jan 2021	Mar 2021				

Installation Information

Method of Implementation: Oshkosh

Installation Cost	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	3,491 / 10.486	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3,491 / 10.486
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	262 / 1.394	33 / 16.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	295 / 17.394
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	137 / 21.227	- / -	137 / 21.227	- / -	- / -	- / -	- / -	- / -	137 / 21.227
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	3,491 / 10.486	262 / 1.394	33 / 16.000	137 / 21.227	- / -	137 / 21.227	- / -	- / -	- / -	- / -	- / -	3,923 / 49.107

Installation Schedule

	PYS	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	2,545	140	140	66	66	66	64	-	33	46	46	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,257
Out	2,405	140	140	140	66	66	66	64	-	33	46	46	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,257

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	1	2	2	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	45.803	0.790	0.791	-	-	-	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	45.803	0.790	0.791	-	-	-	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	45.803	0.790	0.791	-	-	-	-	-	-	-	Continuing	Continuing

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	45,803.000	395.000	395.500	-	-	-	-	-	-	-	Continuing	Continuing

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 being realigned to SSN D30000 (Nontactical Vehicles, Other), beginning in FY 2021.

Secondary Distribution	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army									
Quantity	2	2	-	-	-	-	-	-	-
Total Obligation Authority	0.790	0.791	-	-	-	-	-	-	-
Total:									
Secondary Distribution									
Quantity	2	2	-	-	-	-	-	-	-
Total Obligation Authority	0.790	0.791	-	-	-	-	-	-	-

Justification:

The FY2021 funding request for this program is realigned to SSN D30000 (Nontactical Vehicles, Other).

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	22	25	25	21	-	21	21	21	31	28	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	289.940	1.390	1.416	1.246	-	1.246	1.269	1.301	2.903	2.400	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	289.940	1.390	1.416	1.246	-	1.246	1.269	1.301	2.903	2.400	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	289.940	1.390	1.416	1.246	-	1.246	1.269	1.301	2.903	2.400	Continuing	Continuing

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	13,179.091	55.600	56.640	59.333	-	59.333	60.429	61.952	93.645	85.714	Continuing	Continuing

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army									
Quantity	25	25	21	-	21	21	21	31	28
Total Obligation Authority	1.390	1.416	1.246	-	1.246	1.269	1.301	2.903	2.400
Total:									
Secondary Distribution									
Quantity	25	25	21	-	21	21	21	31	28
Total Obligation Authority	1.390	1.416	1.246	-	1.246	1.269	1.301	2.903	2.400

Justification:

FY 2021 Base procurement dollars in the amount of \$1.246 million supports installations and units with transportation and ambulance services for Army personnel and family members. A total of 21 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 21 vehicles include 17 sedans, 1 ambulance, and 3 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 2021 Army		Date: February 2020
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 2021 Army **Date:** February 2020

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

Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	15	0	282	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	956.769	15.415	29.891	19.870	-	19.870	25.473	25.135	32.068	28.445	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	956.769	15.415	29.891	19.870	-	19.870	25.473	25.135	32.068	28.445	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	956.769	15.415	29.891	19.870	-	19.870	25.473	25.135	32.068	28.445	Continuing	Continuing

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	63,784.600	-	105.996	-	-	-	-	-	-	-	Continuing	Continuing

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. These vehicles are essential for protecting lives.

Secondary Distribution	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025
Army									
Quantity	-	282	-	-	-	-	-	-	-
Total Obligation Authority	15.415	29.891	19.870	-	19.870	25.473	25.135	32.068	28.445
Total:									
Secondary Distribution									
Quantity	-	282	-	-	-	-	-	-	-
Total Obligation Authority	15.415	29.891	19.870	-	19.870	25.473	25.135	32.068	28.445

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Exhibit P-40, Budget Line Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 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		- / -	- / -	- / -	- / 1.030	- / -	- / 1.030
P-5	DV0013 / GENERAL PURPOSE VEHICLES	P-5a	A		4 / 622.218	0 / 9.144	219 / 19.833	- / 10.734	- / -	- / 10.734
P-5	DV0014 / SPECIAL PURPOSE VEHICLES	P-5a	A		11 / 334.551	0 / 6.271	63 / 10.058	- / 8.106	- / -	- / 8.106
P-40	Total Gross/Weapon System Cost				15 / 956.769	0 / 15.415	282 / 29.891	- / 19.870	- / -	- / 19.870

*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 2021 Base procurement dollars in the amount of \$19.870 million supports installations and units with Non-Tactical Vehicles providing cargo and passenger transportation, in addition to facility engineering and maintenance capability. A total of 155 Non-Tactical Vehicles are required to fill shortages and replace over-aged vehicles that are unsafe, over mileage, or uneconomical to repair. The 155 vehicles include 101 general purpose vehicles, 51 special purpose vehicles, and 3 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 2021 Base procurement dollars also reimburses the Program Management costs, in addition to technical and procurement support, to support the procurement of the 155 total vehicles.

The increase in funding for FY 2020 and FY 2021 is attributable to plans for replacing over-aged vehicles sooner. An accelerated replacement schedule will help to reduce maintenance costs and improve readiness at the Army's installations.

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 2021 Army **Date:** February 2020

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

Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	1.030	-	1.030
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	-	1.030	-	1.030
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	1.030	-	1.030

(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)	-	-	-	-	-	-

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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	-	-	-	-	-	-	-	-	-	343.333	3	1.030	-	-	-	343.333	3	1.030
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	1.030	-	-	-	-	-	1.030
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	1.030	-	-	-	-	-	1.030
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	1.030	-	-	-	-	-	1.030

Secondary Distribution	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	1.030	-	1.030
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	1.030	-	1.030

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	4	0	219	-	-	-
Gross/Weapon System Cost (\$ in Millions)	622.218	9.144	19.833	10.734	-	10.734
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	622.218	9.144	19.833	10.734	-	10.734
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	622.218	9.144	19.833	10.734	-	10.734

(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)	155,554.500	-	90.562	-	-	-

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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 ^(†)	31.000	7	0.217	29.500	2	0.059	31.000	25	0.775	33.000	10	0.330	-	-	-	33.000	10	0.330
Carryall Truck ^(†)	25.800	5	0.129	37.313	32	1.194	38.000	52	1.976	40.000	26	1.040	-	-	-	40.000	26	1.040
Tractor Truck ^(†)	121.000	1	0.121	144.200	5	0.721	145.000	29	4.205	146.000	10	1.460	-	-	-	146.000	10	1.460
Stake Truck ^(†)	68.000	1	0.068	59.333	3	0.178	61.000	29	1.769	62.000	8	0.496	-	-	-	62.000	8	0.496
Light Armored Vehicle ^(†)	209.000	2	0.418	-	-	-	185.000	5	0.925	187.000	5	0.935	-	-	-	187.000	5	0.935
Panel Truck ^(†)	-	-	-	-	-	-	28.000	6	0.168	29.000	4	0.116	-	-	-	29.000	4	0.116
Fuel Servicing Truck ^(†)	157.000	3	0.471	163.667	9	1.473	165.000	16	2.640	166.000	11	1.826	-	-	-	166.000	11	1.826
Multi Stop Delivery Truck ^(†)	-	-	-	44.000	2	0.088	45.000	20	0.900	47.000	7	0.329	-	-	-	47.000	7	0.329
Truck Van Cargo ^(†)	137.000	1	0.137	56.333	3	0.169	59.000	14	0.826	60.000	5	0.300	-	-	-	60.000	5	0.300
Semitrailer Personnel Carrier ^(†)	369.000	2	0.738	369.000	7	2.583	370.000	8	2.960	371.000	4	1.484	-	-	-	371.000	4	1.484
Flatbed Truck ^(†)	138.000	1	0.138	161.667	3	0.485	162.000	13	2.106	163.000	3	0.489	-	-	-	163.000	3	0.489
Semitrailer Van Expansive ^(†)	-	-	-	424.000	2	0.848	-	-	-	-	-	-	-	-	-	-	-	-
Wrecker Truck ^(†)	116.000	1	0.116	162.000	1	0.162	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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)
Refrigerator Truck ^(†)	147.000	1	0.147	147.000	4	0.588	-	-	-	149.000	2	0.298	-	-	-	149.000	2	0.298
General Purpose Vehicles ^(†)	61,951.800	10	619.518	149.000	4	0.596	145.750	4	0.583	153.500	6	0.921	-	-	-	153.500	6	0.921
<i>Subtotal: Recurring Cost</i>	-	-	622.218	-	-	9.144	-	-	19.833	-	-	10.024	-	-	-	-	-	10.024
<i>Subtotal: Flyaway Cost</i>	-	-	622.218	-	-	9.144	-	-	19.833	-	-	10.024	-	-	-	-	-	10.024
Support - Program Management Cost																		
Government Management	-	-	-	-	-	-	-	-	-	-	-	0.710	-	-	-	-	-	0.710
<i>Subtotal: Support - Program Management Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.710	-	-	-	-	-	0.710
Gross/Weapon System Cost	155,554.500	4	622.218	-	0	9.144	90.562	219	19.833	-	-	10.734	-	-	-	-	-	10.734

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	-	219	-	-	-
	Total Obligation Authority	9.144	19.833	10.734	-	10.734
Total:	Quantity	0	219	-	-	-
Secondary Distribution	Total Obligation Authority	9.144	19.833	10.734	-	10.734

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army								Date: February 2020				
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				
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		2019	Multiple / Multiple	C / FP	GSA, Washington, DC	Aug 2019	Feb 2020	2	29.500	Y		
Cargo Truck		2020	TBS / TBS	C / FP	GSA, Washington, DC	Apr 2020	Aug 2020	25	31.000	N		
Cargo Truck		2021	TBS / TBS	C / FP	GSA, Washington, DC	Apr 2021	Aug 2021	10	33.000	N		
Carryall Truck		2019	Multiple / Multiple	C / FP	GSA, Washington, DC	Apr 2019	Jan 2020	32	37.313	N		
Carryall Truck		2020	TBS / TBS	C / FP	GSA, Washington, DC	Jun 2020	Oct 2020	52	38.000	N		
Carryall Truck		2021	TBS / TBS	C / FP	GSA, Washington, DC	Jun 2021	Oct 2021	26	40.000	N		
Tractor Truck		2019	Multiple / Multiple	C / FP	GSA, Washington, DC	Jul 2019	Apr 2020	5	144.200	N		
Tractor Truck		2020	TBS / TBS	C / FP	GSA, Washington, DC	May 2020	Nov 2020	29	145.000	N		
Tractor Truck		2021	TBS / TBS	C / FP	GSA, Washington, DC	May 2021	Nov 2021	10	146.000	N		
Stake Truck		2019	Multiple / Multiple	C / FP	GSA, Washington, DC	Sep 2019	Apr 2020	3	59.333	N		
Stake Truck		2020	TBS / TBS	C / FP	GSA, Washington, DC	Jun 2020	Oct 2020	29	61.000	N		
Stake Truck		2021	TBS / TBS	C / FP	GSA, Washington, DC	Jun 2021	Oct 2021	8	62.000	N		
Light Armored Vehicle		2020	TBS / TBS	C / FP	Army Contracting, Warren, MI	Jun 2020	Nov 2020	5	185.000	N		
Light Armored Vehicle		2021	TBS / TBS	C / FP	Army Contracting, Warren, MI	Jun 2021	Nov 2021	5	187.000	N		
Panel Truck		2020	TBS / TBS	C / FP	GSA, Washington, DC	Apr 2020	Aug 2020	6	28.000	N		
Panel Truck		2021	TBS / TBS	C / FP	GSA, Washington, DC	Apr 2021	Aug 2021	4	29.000	N		
Fuel Servicing Truck		2019	TBS / TBS	C / FP	GSA, Washington, DC	Mar 2020	Oct 2020	9	163.667	N		
Fuel Servicing Truck		2020	TBS / TBS	C / FP	GSA, Washington, DC	May 2020	Dec 2020	16	165.000	N		
Fuel Servicing Truck		2021	TBS / TBS	C / FP	GSA, Washington, DC	May 2021	Dec 2021	11	166.000	N		
Multi Stop Delivery Truck		2019	Multiple / Multiple	C / FP	GSA, Washington, DC	May 2019	Nov 2019	2	44.000	N		
Multi Stop Delivery Truck		2020	TBS / TBS	C / FP	GSA, Washington, DC	Jun 2020	Oct 2020	20	45.000	N		
Multi Stop Delivery Truck		2021	TBS / TBS	C / FP	GSA, Washington, DC	Jun 2021	Oct 2021	7	47.000	N		
Truck Van Cargo		2019	Multiple / Multiple	C / FP	GSA, Washington, DC	Jul 2019	Feb 2020	3	56.333	N		
Truck Van Cargo		2020	TBS / TBS	C / FP	GSA, Washington, DC	Jun 2020	Dec 2020	14	59.000	N		
Truck Van Cargo		2021	TBS / TBS	C / FP	GSA, Washington, DC	Jun 2021	Dec 2021	5	60.000	N		
Semitrailer Personnel Carrier		2019	TBS / TBS	C / FP	Army Contracting, Warren, MI	Apr 2020	Nov 2020	7	369.000	N		
Semitrailer Personnel Carrier		2020	TBS / TBS	C / FP	Army Contracting, Warren, MI	Jun 2020	Jan 2021	8	370.000	N		
Semitrailer Personnel Carrier		2021	TBS / TBS	C / FP	Army Contracting, Warren, MI	Jun 2021	Jan 2022	4	371.000	N		
Flatbed Truck		2019	TBS / TBS	C / FP	GSA, Washington, DC	Mar 2020	Jul 2020	3	161.667	N		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020				
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				

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
Flatbed Truck		2020	TBS / TBS	C / FP	GSA, Washington, DC	May 2020	Sep 2020	13	162.000	N		
Flatbed Truck		2021	TBS / TBS	C / FP	GSA, Washington, DC	May 2021	Sep 2021	3	163.000	N		
Semitrailer Van Expansibile		2019	Trailer Technologies Holding / Wixom, MI	C / FP	GSA, Washington, D.C.	Sep 2019	Apr 2020	2	424.000	Y		
Wrecker Truck		2019	Truck Country Freightliner / Kaukauna, WI	C / FP	GSA, Washington, DC	Sep 2019	Apr 2020	1	162.000	Y		
Refrigerator Truck		2019	Navistar / Knoxville, TN	C / FP	GSA, Washington, DC	Sep 2019	May 2020	4	147.000	Y		
Refrigerator Truck		2021	TBS / TBS	C / FP	GSA, Washington, DC	Jul 2021	Mar 2022	2	149.000	N		
General Purpose Vehicles		2019	TBS / TBS	C / FP	GSA, Washington, DC	Apr 2020	Oct 2020	4	149.000	N		
General Purpose Vehicles		2020	TBS / TBS	C / FP	GSA, Washington, DC	Jul 2020	Dec 2020	4	145.750	N		
General Purpose Vehicles		2021	TBS / TBS	C / FP	GSA, Washington, DC	Jul 2021	Dec 2021	6	153.500	N		

Remarks:
 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.

There are multiple contractors for FY19 Cargo Truck. A quantity of one cargo truck was awarded to FCA LLC Inc. (Auburn Hills, MI). An additional quantity one cargo truck was awarded to Hatten Co. LTD (Japan).

There will be multiple contractors for FY19 Carryall Truck. A quantity of one carryall truck was awarded to Ford Motor Company (Dearborn, MI), a quantity of eleven to FCA LLC Inc. (Auburn Hills, MI), and a quantity of two to Nissan Motor Sales Co. (Japan). An additional eighteen carryall trucks have not yet been awarded.

There will be multiple contractors for FY19 Tractor Truck. A quantity of three tractor trucks were awarded to Mack Defense (Allentown, PA) and a quantity of one to Truck Country Freightliner (Kaukauna, WI). An additional one tractor truck has not yet been awarded.

There will be multiple contractors for FY19 Stake Truck. A quantity of one stake truck was awarded to Truck Country Freightliner (Kaukauna, WI) and a quantity of one to Navistar (Knoxville, TN). An additional one stake truck has not yet been awarded.

There will be multiple contractors for FY19 Multi Stop Delivery Truck. A quantity of one multi stop delivery truck was awarded to Brasada Northside Ford (San Antonio, TX). An additional one multi stop delivery truck has not yet been awarded.

There will be multiple contractors for FY19 Truck Van Cargo. A quantity of one truck van cargo was awarded to Brasada Northside Ford (San Antonio, TX). An additional two truck van cargo have not yet been awarded.

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	11	0	63	-	-	-
Gross/Weapon System Cost (\$ in Millions)	334.551	6.271	10.058	8.106	-	8.106
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	334.551	6.271	10.058	8.106	-	8.106
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	334.551	6.271	10.058	8.106	-	8.106

(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)	30,413.727	-	159.651	-	-	-

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

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 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 ^(†)	77.000	1	0.077	142.200	10	1.422	143.000	13	1.859	144.000	10	1.440	-	-	-	144.000	10	1.440
Servicing Platform Truck ^(†)	179.000	4	0.716	186.308	13	2.422	170.200	15	2.553	172.231	13	2.239	-	-	-	172.231	13	2.239
Line Construction Maint. Truck ^(†)	224.000	1	0.224	236.000	1	0.236	238.000	6	1.428	240.000	4	0.960	-	-	-	240.000	4	0.960
Sludge Disposal Truck ^(†)	337.000	3	1.011	-	-	-	348.000	4	1.392	350.000	4	1.400	-	-	-	350.000	4	1.400
Refuse Collection Truck ^(†)	-	-	-	262.333	3	0.787	263.000	6	1.578	265.000	3	0.795	-	-	-	265.000	3	0.795
Refuse Container Handling Truck ^(†)	-	-	-	180.000	1	0.180	-	-	-	-	-	-	-	-	-	-	-	-
Special Purpose Vehicles ^(†)	30,229.364	11	332.523	72.000	17	1.224	73.412	17	1.248	74.824	17	1.272	-	-	-	74.824	17	1.272
<i>Subtotal: Recurring Cost</i>	-	-	334.551	-	-	6.271	-	-	10.058	-	-	8.106	-	-	-	-	-	8.106
<i>Subtotal: Flyaway Cost</i>	-	-	334.551	-	-	6.271	-	-	10.058	-	-	8.106	-	-	-	-	-	8.106
Gross/Weapon System Cost	30,413.727	11	334.551	-	0	6.271	159.651	63	10.058	-	-	8.106	-	-	-	-	-	8.106

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Exhibit P-5, Cost Analysis: PB 2021 Army		Date: February 2020
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:**

Secondary Distribution		FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Army	Quantity	-	63	-	-	-
	Total Obligation Authority	6.271	10.058	8.106	-	8.106
Total:	Quantity	0	63	-	-	-
Secondary Distribution	Total Obligation Authority	6.271	10.058	8.106	-	8.106

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

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Exhibit P-5a, Procurement History and Planning: PB 2021 Army							Date: February 2020				
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		2019	Multiple / Multiple	C / FP	GSA, Washington DC	May 2019	Jan 2020	10	142.200	Y		
Dump Truck		2020	TBS / TBS	C / FP	GSA, Washington DC	Apr 2020	Oct 2020	13	143.000	N		
Dump Truck		2021	TBS / TBS	C / FP	GSA, Washington DC	Apr 2021	Oct 2021	10	144.000	N		
Servicing Platform Truck		2019	Multiple / Multiple	C / FP	GSA, Washington DC	Jul 2019	Feb 2020	13	186.308	N		
Servicing Platform Truck		2020	TBS / TBS	C / FP	GSA, Washington DC	Jun 2020	Jan 2021	15	170.200	N		
Servicing Platform Truck		2021	TBS / TBS	C / FP	GSA, Washington DC	Jun 2021	Jan 2022	13	172.231	N		
Line Construction Maint. Truck		2019	TBS / TBS	C / FP	GSA, Washington DC	Mar 2020	Oct 2020	1	236.000	N		
Line Construction Maint. Truck		2020	TBS / TBS	C / FP	GSA, Washington DC	May 2020	Dec 2020	6	238.000	N		
Line Construction Maint. Truck		2021	TBS / TBS	C / FP	GSA, Washington DC	May 2021	Dec 2021	4	240.000	N		
Sludge Disposal Truck		2020	TBS / TBS	C / FP	GSA, Washington DC	Jun 2020	Jan 2021	4	348.000	N		
Sludge Disposal Truck		2021	TBS / TBS	C / FP	GSA, Washington DC	Jun 2021	Jan 2022	4	350.000	N		
Refuse Collection Truck		2019	Maryland Industrial Trucks / Linthicum Heights, MD	C / FP	GSA, Washington DC	Jul 2019	Jan 2020	3	262.333	Y		
Refuse Collection Truck		2020	TBS / TBS	C / FP	GSA, Washington DC	Jun 2020	Dec 2020	6	263.000	N		
Refuse Collection Truck		2021	TBS / TBS	C / FP	GSA, Washington DC	Jun 2021	Dec 2021	3	265.000	N		
Refuse Container Handling Truck		2019	Ecology MIR Group / Fairfax, VA	C / FP	GSA, Washington DC	Jul 2019	Jan 2020	1	180.000	Y		
Special Purpose Vehicles		2019	TBS / TBS	C / FP	GSA, Washington DC	Apr 2020	Oct 2020	17	72.000	N		
Special Purpose Vehicles		2020	TBS / TBS	C / FP	GSA, Washington DC	Jun 2020	Dec 2020	17	73.412	N		
Special Purpose Vehicles		2021	TBS / TBS	C / FP	GSA, Washington DC	Jun 2021	Dec 2021	17	74.824	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 FY19 Dump Truck. A quantity of one dump truck was awarded to Mack Defense (Allentown, PA), a quantity of four to Boyer Ford (Minneapolis, MN), a quantity of two to Michael Renka GMBH (Germany), and a quantity of one to Pellegrini, & C. Sas Di Pellegrini Massim (Italy). An additional two dump trucks have not yet been awarded.

There will be multiple contractors for FY19 Servicing Platform Trucks. A quantity of four were awarded to Altec Industries (Birmingham, AL), a quantity of one to XL Risk Consulting (Cochranville, PA), a quantity of one to American Material Handling (Watkinsville, GA), a quantity of one to Federal Contracts Corp (Tampa, FL), a quantity of one to Valor Holdings Inc. (Evansville, IN), a quantity of one to Hako GMBH (Germany), a quantity of one to XCORP (South Korea), and a quantity of one to Bauscher Miet - Und Vertriebs GMBH (Germany). An additional quantity of two servicing platform truck have not yet been awarded.