# **DEPARTMENT OF THE ARMY**

# **Procurement Programs**



Committee Staff Procurement Backup Book FY 2003 Budget Estimate

OTHER PROCUREMENT, ARMY Tactical and Support Vehicles

**Budget Activity1** 

**APPROPRIATION** 

# Table of Contents - Other Procurement, Army

BLIN	SSN	Nomenclature	Page
1	DA0100	TACTICAL TRAILERS/DOLLY SETS	1
2	D01001	Semitrailers, Flatbed:	10
3	D02001	Semitrailers, tankers	24
4	D04800	SEMITRAILER VAN CGO SUPPLY 12T 4WHL M129A2C	42
5	D15400	HI MOB MULTI-PURP WHLD VEH (HMMWV)	43
6	D16001	TRUCK, DUMP, 20T (CCE)	51
7	D15500	FAMILY OF MEDIUM TACTICAL VEH (FMTV)	56
8	D15800	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMENT	64
9	DA0500	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	75
10	D02800	ARMORED SECURITY VEHICLES (ASV)	107
11	DA0600	TRUCK, TRACTOR, LINE HAUL, M915/M916	112
12	D15901	Towing Device, 5th Wheel	124
13	D16000	TRUCK, TRACTOR, YARD TYPE, M878 (C/S)	125
14	DV0021	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV PROG	130
15	DV0011	LINE HAUL ESP	136
16	DA0924	MODIFICATION OF IN SVC EQUIP	141
17	DL5110	ITEMS LESS THAN \$5.0M (TAC VEH)	173
18	D22100	HEAVY ARMORED SEDAN	178
19	D23000	PASSENGER CARRYING VEHICLES	179
20	D30000	NonTactical Vehicles, Other	180

# Alphabetic Listing - Other Procurement, Army

Nomenclature	SSN	BLIN	Page
ARMORED SECURITY VEHICLES (ASV)	D02800	10	107
FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	DA0500	9	75
FAMILY OF MEDIUM TACTICAL VEH (FMTV)	D15500	7	56
FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMENT	D15800	8	64
HEAVY ARMORED SEDAN	D22100	18	178
HI MOB MULTI-PURP WHLD VEH (HMMWV)	D15400	5	43
HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV PROG	DV0021	14	130
ITEMS LESS THAN \$5.0M (TAC VEH)	DL5110	17	173
LINE HAUL ESP	DV0011	15	136
MODIFICATION OF IN SVC EQUIP	DA0924	16	141
NonTactical Vehicles, Other	D30000	20	180
PASSENGER CARRYING VEHICLES	D23000	19	179
SEMITRAILER VAN CGO SUPPLY 12T 4WHL M129A2C	D04800	4	42
Semitrailers, Flatbed:	D01001	2	10
Semitrailers, tankers	D02001	3	24
TACTICAL TRAILERS/DOLLY SETS	DA0100	1	1
Towing Device, 5th Wheel	D15901	12	124
TRUCK, DUMP, 20T (CCE)	D16001	6	51
TRUCK, TRACTOR, LINE HAUL, M915/M916	DA0600	11	112
TRUCK, TRACTOR, YARD TYPE, M878 (C/S)	D16000	13	125

# **Exhibit P-1M, Procurement Programs - Modification Summary**

System/Modification	2000 & Prior	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	To Complete Tot	al Program
MODIFICATION OF IN SVC EQUIP (DA0924)										
HMMWV 3-PT Seatbelt	23.4	1.0	5.7	3.5		4.4				40.7
M939 Tire Improvement	21.8	14.7	14.9	5.3	4.9				20.8	82.5
M939 Anti-Lock Brake System (ABS)	15.7	15.4	13.6	4.9	4.6				20.2	74.2
HMMWV Rear Differential Oil Cooler			3.6	3.6						7.2
HEMTT Wheel Modification			11.0	42.2	42.0	18.0				113.2
A8020 Fuel Injection Test Stand Upgrade	1.0	6.0								7.0
Aluminum Mesh Liner		7.5	3.5							11.0
M872 Modification Hardware				8.9	6.9					15.8
HEMTT/PLS 4-Point Seatbelt				1.3						1.3
PLS Trailer Wheel Modification				3.6						3.6
HMMWV 3PT Seatbelts-M996 Mini Ambulance										0.3
HMMWV 3PT Seatbelts-M997 Maxi Ambulance							1.9	1.0		2.9
HMMWV M997 Maxi-Ambulance A/C Upgrade							0.0	4.0		4.0
High Mobility Trailer MWOs		2.6								2.6
Total	61.9	47.2	52.2	73.3	58.3	22.4	4.9	5.0	41.0	366.3
Grand Total	61.9	47.2	52.2	73.3	58.3	22.4	4.9	5.0	41.0	366.3

Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	Da	nte:	F	February 2002		
Appropriation/Budget Acti Other Procurement, Army /1/T		vehicles				P-1 Item Nom TAC		ILERS/DOLLY	Y SETS (DA01	100)		
Program Elements for Cod	e B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	188594	997	161	164	57	96	1041	1140	1066			193316
Gross Cost	304.5	12.8	30.5	8.0	4.7	8.7	18.1	16.3	15.8			419.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	304.5	12.8	30.5	8.0	4.7	8.7	18.1	16.3	15.8			419.4
Initial Spares												
Total Proc Cost	304.5	12.8	30.5	8.0	4.7	8.7	18.1	16.3	15.8			419.4
Flyaway U/C												
Wpn Sys Proc U/C												

This is a roll-up of various tactical trailers and dolly sets which are used for such missions as transporting generators, shelters, drinking water, ammunition and general cargo. Prime movers for these trailers range from the Commercial Utility Cargo Vehicle (CUCV) to the 10-Ton M977 series Heavy Expanded Mobility Tactical Truck (HEMTT). This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

#### Justification:

FY03 funding supports Army National Guard Multiple Launch Rocket System (MLRS) pods requirement for the Heavy Expanded Mobility Ammunition Trailer (HEMAT).

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/E Other Procurer Tactical and su	Budget Activ ment, Army / apport vehicle	rity/Serial No. 1 / s		P-1 Line II	tem Nomenclature . TRAILERS/DOLLY	e: Y SETS (DA0100)		Weapon System	Гуре:	Date: Febru	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
	A	5000	Each	3000	6628 1385	90 90	74	3690 1000	48 9	77	8690		91
Total					8013			4690			8690		

Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	Da	nte:	I	February 2002		
Appropriation/Budget Act Other Procurement, Army /1/		vehicles				P-1 Item Nom TR/		/Y, EXPANDE	ED MOBILITY	(D05700)		
Program Elements for Co	de B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	1642		125	90	48	96	38					2039
Gross Cost	28.9		12.8	6.6	3.7	8.7	3.7					64.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	28.9		12.8	6.6	3.7	8.7	3.7					64.4
Initial Spares												
Total Proc Cost	28.9		12.8	6.6	3.7	8.7	3.7					64.4
Flyaway U/C												
Wpn Sys Proc U/C		·										

The Heavy Expanded Mobility Ammunition Trailer (HEMAT) is a 11-Ton lunette trailer used to transport Multiple Launch Rocket System (MLRS) pods, general ammunition pallets, 2 each 600-gallon aircraft fuel pods, 4 each Hellfire missile pallets, 500-gallon rubber fuel bladders, and other similar cargo. The HEMAT travels over cross-country and highway up to 55 miles per hour. The prime movers are the M977 series HEMTT 10-Ton Trucks. The HEMAT is transportable in C130, C141, and C5 aircraft and is marine and rail transportable. This unique trailer must meet rough terrain requirements in demand for MLRS, aviation, and Interim Brigade Combat Team. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

#### Justification:

FY03 procures Multiple Launch Rocket System (MLRS) pods for the Army National Guard. The Army Acquisition Objective (AAO) is 2,465.

Exhibit P-5, Weapon OPA1 Cost Analysis	Appropriation/l Other Procure Tactical and s	Budget Activement, Army / upport vehicle	rity/Serial No. 1 / s			tem Nomenclature HEAVY, EXPANDE		5700)	Weapon System	Гуре:	Date: Febru	ary 2002
OPA1 ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
HEMAT Trailer Hardware     FRET				5463 656	90	61	2964 356	48	62	7254 870	96	76
SubTotal				6119			3320			8124		
2. ECPs 3. Testing				101 96			89			218		
4. System Fielding Support				105			107			146		
<ul><li>5. Engineering Support</li><li>6. PM Support</li></ul>				107 100			50 124			51 151		
Total				6628			3690			8690		

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support veh	icles	Weapon Syster	m Type:			em Nomenc AVY, EXPAND	lature: ED MOBILITY (D05	5700)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Is Dat
1. HEMAT Trailer Hardware										
FY 2001	Systems & Electronics, Inc. St. Louis, MO	OPTION/FFF	TACOM, Warren, MI	Jan 01	Dec 01	90	61	Yes	N/A	N/.
FY 2002	Systems & Electronics, Inc. St. Louis, MO	SS/FFP	TACOM, Warren, MI	Jun 02	Jan 03	48	62	Yes	N/A	Dec
FY 2003	Systems & Electronics, Inc. St. Louis, MO	OPTION/FFF	TACOM, Warren, MI	Jan 03	Aug 03	96	76	Yes	N/A	N/.

	FY 01 / 02 BUDGET P	PROD	OUCTION	SCH	IEDUL:	E			Item N ILER,				ANDE	D M	OBILI	ITY (	D057	700)						Date:			Fe	bruary	y 200:	2		
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		1	FY 02	A	48	0	48																					1	A			48
		1	FY 03	A	96	0	96																									96
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	FY 03 / 04 BUDGET PI	ROD	UCTION	SCH	IEDUL	E			tem N ILER,				ANDE	D M	OBILI	ITY (	D057	700)						Date:			Fet	ruary	2002			
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	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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	T E R
1.	HEMAT Trailer Hardware									_			_			$\dashv$													H			
		1	FY 00	A	125	125	0																									0
		1	FY 01	A	90	31	59	10	10	10	10	10	9																			0
		1	FY 02	A	48	0	48						1	10	10	10	10	7														0
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R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	,		INITI	IAL				0			4			11			15								
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Exhi	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	Ι	Oate:	I	February 2002		
Appropriation/Budget Action Other Procurement, Army /1/Ta		rehicles				P-1 Item Nom SEL		FF-LOAD TRAI	ILER (SLOT)	(DA0101)		
Program Elements for Code	e B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty		60	36		9							105
Gross Cost		6.1	5.2		1.0							12.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		6.1	5.2		1.0							12.2
Initial Spares												
Total Proc Cost		6.1	5.2		1.0							12.2
Flyaway U/C												
Wpn Sys Proc U/C												

The Self-Loading/Off-Loading Trailer (SLOT) is a multi-functional trailer with the capability to self-load/off-load and transport operable and inoperable Wheeled Tracked Vehicles, Material Handling Equipment (MHE), Engineer Construction Equipment (ECE) and other cargo containers up to the vehicle payload capacity. These vehicles shall operate world wide, both on and off road, under all weather conditions. The SLOT shall augment M870 Semi-Trailers used in engineer construction, quarry, and bridging units identified to transport the Hydraulic Excavator (HYEX) and unit organic cargo and equipment as needed for payloads up to 40-tons. The M916 series tractor is the intended prime mover. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

#### **Justification:**

The Self-Load/Off-Load Trailer had Congressional adds appropriated in FY99 - \$6,054,000, FY00 - \$5,187,000, and FY02 - \$1,000,000.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/F Other Procure Tactical and so	Budget Activ ment, Army / upport vehicles	rity/Serial No. 1 / s		P-1 Line I SELF-LOA	tem Nomenclature D/OFF-LOAD TRA	e: ILER (SLOT) (DA01	01)	Weapon System	Гуре:	Date: Februa	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
<b>Cost Elements</b>	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Vehicle Testing(IPT) System Technical Support Engineering Support Quality Assurance Support								720 50	9	80			
Project Management Support								230					
Total								1000					

Exh	ibit P-40	, Budge	t Item J	ustifica	Da	ite:	F	ebruary 2002				
Appropriation/Budget Act Other Procurement, Army /1/7		vehicles				P-1 Item Nom Sem		ed: (D01001)				
Program Elements for Coo	le B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	17666	105	195	95	780	1019	861	146	118	115		21100
Gross Cost	293.2	5.5	7.7	7.6	29.1	39.1	32.3	7.7	5.8	5.8		433.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	293.2	5.5	7.7	7.6	29.1	39.1	32.3	7.7	5.8	5.8		433.8
Initial Spares												
Total Proc Cost	293.2	5.5	7.7	7.6	29.1	39.1	32.3	7.7	5.8	5.8		433.8
Flyaway U/C												
Wpn Sys Proc U/C												

- 1. The M870A3 Semi-trailer lowbed is a 40-Ton hydraulic detachable system capable of handling payloads up to 80,000 pounds on Primary, Secondary, and Trail profiles. The Semi-Trailer is a 45-foot long, 102-inch wide multi-axle state-of-the-art trailer with vehicle front end loading capability, dual 12/24 volts electrical system including Light Emitting Diode (LED) lights and is equipped with 12-inch over width extensions to expand the trailer width to 126-inches. The Semi-Trailer connected to its prime movers via either a 2 or 3.5-inch king pin assembly. The trailer is not equipped with a self-contained hydraulic system. The trailer hydraulics will be provided via the prime mover by the installation of a quick disconnect kit to be provided by the Material Developer during vehicle deprocessing activities.
- 2. The Semi-Trailer, Flatbed/Break Bulk (FB/BB) Container Transporter 22 ½-Ton, is a tactical, dual purpose, bulk and container transporter. The Semi-Trailer will be used within Continental United States (CONUS), and Outside the Continental United States (OCONUS) military logistics support system theaters to transport 20' International Standard Organization (ISO) Containers on line haul missions and are the primary means of distributing containers and bulk cargo. This trailer will also be used to deploy the Laundry Advanced System (LAD) and Reverse Osmosis Water Purification Unit (ROWPU). It will be employed by military 5-Ton and Family of Medium Tactical Vehicles tractors for use over primary, secondary, and unimproved secondary roads or military adapted commercial line haul series tractors over primary roads.
- 3. The M872A4 Semi-Trailer Dual Purpose, Break Bulk/Container Transporter 34-Ton, 40-Feet is required for line haul and local haul of break bulk cargo and fully loaded ISO containers up to 40-feet in length within an overseas theater of operations from the port area to as far forward as the corps general support supply activities. Normal employment will be over primary and improved secondary roads in conjunction with the military adapted commercial 6x4 line haul tractor M915. The Semi-Trailer will have a maximum rated payload of 68,000 pounds and will be capable of a daily operating range of at least 300 miles at sustained speeds of 50-60 miles per hour.

These systems support the Legacy transition path of the Transformation Campaign Plan (TCP).

#### Justification:

FY03 procures shortages in units to support transportation of various cargo and equipment.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/F Other Procure Tactical and so	Budget Activ ment, Army / upport vehicle	rity/Serial No. 1 / s		P-1 Line Is Semitrailers	tem Nomenclature s, Flatbed: (D01001)	<b>:</b> :		Weapon System	Гуре:	Date: Febru	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Semitrl LB 40T M870A3 Semitrl FB BB/Cont Tr 34T M872A4 Semitrl FB BB/Cont Tr 22 1/2T M871A3					3149 4496	30 65	105 70	1888 17088	27 496 257	70 35	1927 25340	25 732	78 35
Total					7645			29113			39095		

Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	D	nte:	F	February 2002		
Appropriation/Budget Act Other Procurement, Army /1/T		vehicles				P-1 Item Nom SEM		LB 40T M870A	.1 (CCE) (D00	700)		
Program Elements for Cod	le B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	1930	41		30	27	25	23	20				2096
Gross Cost	37.9	2.9	0.7	3.1	1.9	1.9	1.8	1.5				51.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	37.9	2.9	0.7	3.1	1.9	1.9	1.8	1.5				51.8
Initial Spares												
Total Proc Cost	37.9	2.9	0.7	3.1	1.9	1.9	1.8	1.5				51.8
Flyaway U/C												
Wpn Sys Proc U/C												

The M870A3 Semi-Trailer Lowbed (LB) is a 40-Ton hydraulic detachable system capable of handling payloads up to 80,000 pounds on Primary, Secondary, and Trail profiles. The Semi-Trailer is a 45-foot long, 102-inch wide multi-axle state-of-the-art trailer with vehicle front end loading capability, dual 12/24 volts electrical system including Light Emitting Diode (LED) lights and is equipped with 12-inch over width extensions to expand the trailer width to 126-inches. The Semi-Trailer connected to its prime movers via either a 2 or 3.5-inch king pin assembly. The trailer is not equipped with a self-contained hydraulic system. The trailer hydraulics will be provided via the prime mover by the installation of a quick disconnect kit to be provided by the Material Developer during vehicle deprocessing activities. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

#### Justification:

FY03 funding will fill 78% of the Army Acquisition Objective (AAO) shortage in concert with supporting the Total Army Analysis (TAA)-07. The 40-Ton Semi-Trailer LB is the primary hauler of engineer equipment worldwide. The Army Acquisition Objective is 2,637. It carries such diverse loads as rollers and forklifts, cranes, graders, various sizes dozers and paving machines as well as general construction materials of all types. The Semi-Trailer will fill requirements for the TAA-07 Truck Company Plus Up.

Exh	ibit P-40	, Budge	t Item J	ustifica	Da	nte:	F	February 2002				
Appropriation/Budget Act Other Procurement, Army /1/T		vehicles				P-1 Item Nom SEM		FB BB/CONT T	TRANS 22 1/2	T (D01500)		
Program Elements for Cod	le B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	5867	64	195	53	257	262	178	85	78	75		7114
Gross Cost	96.1	2.6	7.1	4.5	10.1	11.8	8.1	4.3	4.0	4.0		152.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	96.1	2.6	7.1	4.5	10.1	11.8	8.1	4.3	4.0	4.0		152.6
Initial Spares												
Total Proc Cost	96.1	2.6	7.1	4.5	10.1	11.8	8.1	4.3	4.0	4.0		152.6
Flyaway U/C												
Wpn Sys Proc U/C												

The M871A3 Semi-Trailer, Flatbed/Break Bulk (FB/BB) Container Transporter 22 ½-Ton, is a tactical, dual purpose, bulk and container transporter. The Semi-Trailer will be used within Continental United States (CONUS), and Outside the Continental United States (OCONUS) military logistics support system theaters to transport 20' International Standard Organization (ISO) Containers on line haul missions and are the primary means of distributing containers and bulk cargo. It will be employed by military 5-Ton and Family of Medium Tactical Vehicles tractors for use over primary, secondary, and unimproved secondary roads or military adapted commercial line haul series tractors over primary roads. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

#### Justification:

FY03 funding fills approximately 65% of the Army's Acquisition Objective of 10,358 for the Semi-Trailer FB/BB Container Transporter 22 ½-Ton, which is an authorized worldwide (CONUS/OCONUS) transporter within military logistics system of ISO Containers. Besides hauling ammunition and general cargo, the Semi-Trailer FB/BB Container Transporter 22 ½-Ton is primary transporter of the 3,000-gallon Reverse Osmosis Water Purification Units (ROWPU) and the Laundry Advanced System (LADS). The Semi-Trailer FB/BB Container Transporter 22 ½-Ton is employed by military standard 5-Ton and FMTV tractors for use over primary, secondary, and unimproved secondary roads, and by the military adapted commercial Line Haul series tractors. This model trailer corrects problems of the fielded model with load height bridge clearance and mating with the FMTV. Without this new model, containerized loads may be required to bypass supply routes inhibiting mission completion.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/E Other Procurer Tactical and su	ment, Army /	1 /			tem Nomenclature LER FB BB/CONT	e: FRANS 22 1/2 T (D0	)1500)	Weapon System	Гуре:	Date: Febru	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Vehicle FET Testing - PVT System Technical Spt Engineering Support Quality Assurance Program Management System Fielding					3439 469 115 85 50 55 186 97	53	65	8224 987 147 130 150 20 216 263	257	32	9735 1168 124 134 125 20 246 276	262	38
Total					4496			10137			11828		

Exhibit P-5a, Budget Procur	rement History and Planning							Date:	ebruary 2	002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support	vehicles	Weapon Syste	ет Туре:			tem Nomeno R FB BB/CONT	lature: TRANS 22 1/2 T (D	01500)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Vehicle										
FY 2000	Fontaine Hallivalley, AL	MIPR	GSA, Arlington, VA	Feb 00	Apr 02	195	26	Yes	N/A	
FY 2001	Fontaine Hallivalley, AL	MIPR	GSA, Arlington, VA	Mar 01	Nov 02	53	65	Yes	N/A	
FY 2002 FY 2003	TBS TBS	C/FP Option	TACOM, Warren, MI TACOM, Warren, MI	Mar 02 Jan 03	Feb 03 Jul 03	257 262	32 38	Yes Yes	N/A	Aug 0
REMARKS:	-	•								

	FY 00 / 01 BUDGET PF	ROD	UCTION	SCH	[EDUL]	E			Item N IITRA				NT T	RAN	IS 22 I	1/2 T	(D01	1500)						Date:			Feb	ruary	2002			
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		2	FY 03	A	262	0	262																Α	١						15	15	15	217
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Appropriation/Budget Ac Other Procurement, Army /1/		ehicles				P-1 Item Nom SEM		B BB/CONT T	TR 34T M872	C/S (D01600)		
Program Elements for Co	de B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	9869				496	732	660	41	40	40		11878
Gross Cost	159.2				17.1	25.3	22.4	1.8	1.8	1.8		229.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	159.2				17.1	25.3	22.4	1.8	1.8	1.8		229.4
Initial Spares												
Total Proc Cost	159.2				17.1	25.3	22.4	1.8	1.8	1.8		229.4
Flyaway U/C												
Wpn Sys Proc U/C												

The M872 Semi-Trailer Dual Purpose, Break Bulk/Container Transporter, 34-ton, 40-foot is required for line haul and local haul of break bulk cargo. This Semi-Trailer can fully load ISO containers up to 40-feet in length. These containers can originate from an overseas theater of operations port area for delivery as far forward as the corps general support supply activities. Normal employment will be over primary and improved secondary roads in conjunction with the military adapted commercial 6x4 line haul tractor. The Semi-Trailer will have a maximum rated payload of 68,000 pounds and will be capable of daily operating ranges of at least 300 miles at sustained speeds of 50-60 miles per hour. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

#### Justification:

FY03 funding procures replacement of 20-25 year-old trailers that are experiencing structural failures, low readiness are required to support the transportation of cargo and equipment throughout the world. Military and commercial containers up to 40-feet in length and maximum allowable Gross Vehicle Weights up to 68,000 pounds will be used extensively to move military from CONUS installations to Port of Embarkation and from Ports of Debarkation forward to battlespace. Semi-trailers capable of transporting large cargo sizes and weights at relatively high speeds will be required for the rapid line haul transport of these containers within the theater. Current Army Acquisition Objective (AAO) is 8,351.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/F Other Procure Tactical and so	Budget Activ ment, Army / upport vehicle	rity/Serial No. 1 / s		P-1 Line I	tem Nomenclature LER FB BB/CONT	e: TR 34T M872 C/S (E	D01600)	Weapon System	Гуре:	Date: Febru	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Vehicle Federal Retail Excise Tax Testing - PVT System Technical Support Engineering Support Quality Assurance Program Management System Fielding								14257 1944 282 248 110 40 100 107		29	21509 2933 260 263 110 20 100 145		30
Total								17088			25340		

Exhibit P-5a, Budget Procu	rement History and Planning							Date: F	ebruary 2	002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and suppor	t vehicles	Weapon Syste	em Type:			em Nomeno R FB BB/CONT	elature: TR 34T M872 C/S (I	O1600)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Vehicle	TBS TBS	C/FP REQ5 REQ5 (2)	TACOM, Warren, MI TACOM, Warren, MI	JUN 02 JAN 03	OCT 02 AUG 03	496 732	29 30	No		
REMARKS:	·	·		·						

	FY 02 / 03 BUDGET P	ROD	UCTION	SCH	I <b>EDU</b> L	E			Item N				NT T	TR 34'	T M87	72 C/S	S (D(	01600	)					Date:			Febr	ruary :	2002			
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				S	PROC	ACCEP	BAL								Cale	ndar	Year	r 02								Calen	dar Y	ear 0	3			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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	T E R
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Тс	otal				1228		1228													2					55	55	55	55	55	80	79	792
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M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	L	RI	EMAR	KS				
F							REACHED	Nur	nber					Pric	or 1 Oc	ct	Af	ter 1 O	ct	Ai	fter 1 (	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INITI	IAL				0			8			4			12		1						
1	TBS		10.00		55.00	80.00	10		1	REOI	RDER				0			3			7			10								
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		1	FY 02	A	496	386	110	55	55																							0
		1	FY 03	A	732	50	682	68	68	68	68	68	68	68	68	69	69															0
Тс	otal				1228	436	792	123	123	68	68	68	68	68	68	69	69															
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F							REACHED	Nun	nber					Pri	or 1 O	ct	Af	fter 1 C	ct	Af	fter 1 (	Oct	A	fter 1 (	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				0			8			4			12								
1	TBS		10.00		55.00	80.00	10	1	1	REO	RDER				0			3			7			10		1						
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Ш										REO.	RDER																					

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Da	ite:	F	February 2002		
Appropriation/Budget Activ Other Procurement, Army /1/Ta		rehicles				P-1 Item Nom Sem	enclature itrailers, tank	ers (D02001)				
Program Elements for Code	e B Items:			Code: A	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	4369	100	217	544	61	69	91	84	88	88		5711
Gross Cost	257.3	6.1	17.7	36.8	6.6	7.9	10.2	9.4	10.0	10.0		372.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	257.3	6.1	17.7	36.8	6.6	7.9	10.2	9.4	10.0	10.0		372.0
Initial Spares												
Total Proc Cost	257.3	6.1	17.7	36.8	6.6	7.9	10.2	9.4	10.0	10.0		372.0
Flyaway U/C												
Wpn Sys Proc U/C												

- 1. Semi-trailer Tank 5000-Gallon The 5000-Gallon is a low profile Bulkhaul Semi-Trailer designed to transport/dispense gasoline, diesel, and aviation fuels. The M900 series is comprised of the M967A2 bulkhauler, the M969A3 automotive refueler. When empty, these Semi-Trailers are air transportable on C130, C141, C17, and C5A aircraft. These Semi-Trailers are designed to be towed by a truck tractor equipped with a fifth wheel. Authorized primer movers for highway and cross-country include the 5-Ton Truck Tractor and FMTV Tractor. For highway only, the military adapted commercial 6x4 Truck Tractors (M915) that are authorized. Features of the Semi-Trailer include a stainless steel, single compartment tank of 5000G capacity, top and bottom loading capacity, an automotive overflow shutoff device and gravity discharge capability. The Semi-Trailer is equipped with a four-cylinder diesel engine and pump assembly, tandem axles, manually operated landing gear, radial tires, a fuel capacity measuring device and a vapor recovery system/kit. The end adapter of the vapor recovery system/kit is compatible with a four-inch quick disconnect field connection, such as those used at fuel depots. M967A2/M969A3 Semi-Trailers will be equipped with an anti-lock braking system.
- 2. Semi-Trailer Tank, 7500-Gallon Bulkhaul. The 7500G will transport petroleum products from the source (e.g. Communication Zone (COMMZ) and Rear Corp. areas), the Forward Division area(s) where the fuel is transferred into tactical refueling systems for retail distribution into combat and services support vehicles, aircraft and other ground equipment. These systems support the Legacy transition path of the Transformation Campaign Plan (TCP).

#### Justification:

- 1. Semi-Trailer Tank 5000-Gallon Bulkhaul: The funding through FY01 will fill 72% of the Army Acquisition Objective (AAO) of 2,715 in concert with supporting the Total Army Analysis (TAA)-07 for the Semi-trailer Bulkhaul. The remaining petroleum distribution requirement will be filled by Tank Rack and Hoseline Systems. In addition, newly activated Medium Transportation Petroleum Guard and Reserve Units have been stood up and have been fielded dedicated M915A3s to haul the M967A2s. If this funding is not received, this bulkhaul capability will not be met.
- 2. Semi-Trailer Tank 5000-Gallon Automotive: Funding through FY03 will fill 90% of the Army Acquisition Objective (AAO) of 2,717 in concert with supporting the Total Army Analysis (TAA)-07 for the Semi-Trailer Automotive. This TAA-07 process recognized that a sever shortage of petroleum distribution personnel and equipment exists in the current Army force structure.
- 3. Semi-Trailer Tank 7500-Gallon: Funding through FY01 will fill 40% of the Army Acquisition Objective (AAO) of 2,883 in concert with supporting the Total Army Analysis (TAA)-07.

Exhibit P-40C, Budget Item Justification Sheet				Date: February 2002
Appropriation/Budget Activity/Serial No: Other Procurement, Army /1/Tactical and support vehicles			P-1 Item Nomenclature	Semitrailers, tankers (D02001)
Program Elements for Code B Items:	Code: A	Other Related	Program Elements:	
To correct the petroleum distribution equipment problem, many petroleun Additional M967A2 Tankers will be procured in lieu of M1062 (7500-Ga	n related unit	s were addec	to the Army's force struc	ture in the Active, Reserve and National Guard Components.

Exhibit P-5, Weapon OPA1 Cost Analysis	Appropriation/ Other Procure Tactical and s	Budget Activement, Army / support vehicle	1 /		P-1 Line It Semitrailers	tem Nomenclature, tankers (D02001)	): 		Weapon System	Гуре:	Date: Febru	ary 2002
OPA1		FY 00			FY 01			FY 02			FY 03	
Cost Elements CI		Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Semitrl Tank 5000G Bulkhaul (D02304) Semitrl Tank 5000G Automotive (D02306) Semitrl Tank, 7500G Bulkhaul (D02700)				26737 1200 8827	358 9 177	75 134 50	6618	61				114
Total				36764			6618			7862		

Exl	hibit P-40	, Budge	t Item J	ustifica	tion Sh	eet	Ι	ate:	I	February 2002		
Appropriation/Budget Ac Other Procurement, Army /1		vehicles				P-1 Item Non SEN		TANK , 5000G	, BULKHAUL	(D02304)		
Program Elements for Co	ode B Items:			Code: A	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	1418		217	358								1993
Gross Cost	67.5		16.2	26.7								110.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	67.5		16.2	26.7								110.4
Initial Spares												
Total Proc Cost	67.5		16.2	26.7								110.4
Flyaway U/C												
Wpn Sys Proc U/C												

The M967A2 5000-Gallon Fuel Tanker Semi-Trailer performs bulk fuel hauling from Corps to Division Main Supply battalions. The M967A2 Tanker is found primarily in Transportation Medium Truck Companies, Petroleum, assigned to the Quartermaster Battalion. It is equipped primarily for bulk delivery of fuel. These Semi-Trailers do not have the dispensing capability of the M969A3 Semi-Trailers, but are equipped with a four-cylinder diesel engine and four-inch centrifugal pump. The self-priming, low head pump provides a self-load rate of up to 300-gallons per minute and bulk delivery rate up to 600-gallons per minute. These systems support the Legacy transition path of the Transformation Campaign Plan (TCP).

#### Justification:

The funding through FY01 will fill 72% of the Army Acquisition Objective (AAO) of 2,715 in concert with supporting the Total Army Analysis (TAA)-07 for the Semi-Trailer Bulkhaul. The remaining petroleum distribution requirement will be filled by Tank Rack and Hoseline Systems. Additional M967A2 Tankers are being procured in lieu of M1062 7500-Gallon Tankers. Newly activated Medium Transportation Petroleum Guard and Reserve Units have been stood up and have been fielded dedicated M915A3s to haul the M967A2s. If this funding is not received, this bulkhaul capability will not be met.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/F Other Procure Tactical and so	Budget Activ ment, Army / upport vehicle	vity/Serial No. 1 / s		P-1 Line I	tem Nomenclature LER TANK , 5000G	e: , BULKHAUL (D02	2304)	Weapon System	Туре:	Date: Febru	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Vehicle Federal Retail Excise Tax Testing PVT - ATC System Technical Support Engineering Support Quality Support Program Management Support System Fielding Support					23051 3143 50 45 83 244 121	358	65						
Total					26737								

Exhibit P-5a, Budget Procu	rement History and Planning							Date: F	ebruary 2	002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support	vehicles	Weapon Syste	m Type:		P-1 Line Ito SEMITRAILEI		elature: G, BULKHAUL (D02	304)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Vehicle										
FY 2000	Heil Trailer International Chattanooga, Tennessee	C/FP REQ5	TACOM, Warren, MI	Nov 01	Apr 02	217	75	Yes	NA	Nov
FY 2001	Heil Trailer International Chattanooga, Tennessee	REQ5 (2)	TACOM, Warren, MI	Nov 01	Feb 03	358	65	Yes		
EMARKS:										

	FY 00 / 01 BUDGET PI	ROD	UCTION	SCH	[EDUL]	E			Item N IITRA				000G,	, BUL	ЖНА	UL (I	D023	(04)						Date:			Feb	ruary	2002			
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l				S	PROC	ACCEP	BAL						_	_	Cale	endar	Yea	r 00						_		Caler	dar '	Year (	)1			L A
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		1	FY 01	A	358	0	358		П																							358
То	tal				575		575																									575
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	FY 02 / 03 BUDGET PF	ROD	UCTION	SCH	[EDUL]	E			Item N				000G,	BUL	.KHA	UL (I	D023	04)						Date	:		]	Febru	ıary 2	2002			
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				S	PROC	ACCEP	BAL								Cale	ndar	Yea	r 02								Cal	lenda	ar Ye	ear 03	3			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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	I 4	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
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R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		,	INIT	IAL				0			1			4			5									
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Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Da	nte:	F	February 2002		
Appropriation/Budget Act Other Procurement, Army /1/T		vehicles				P-1 Item Nom SEM		ΓANK 5000G A	AUTOMOTIV.	E (D02306)		
Program Elements for Cod	le B Items:			Code: A	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	2224	30		9	61	69	91	84	88	88		2744
Gross Cost	166.8	5.5	1.0	1.2	6.6	7.9	10.2	9.4	10.0	10.0		228.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	166.8	5.5	1.0	1.2	6.6	7.9	10.2	9.4	10.0	10.0		228.6
Initial Spares												
Total Proc Cost	166.8	5.5	1.0	1.2	6.6	7.9	10.2	9.4	10.0	10.0		228.6
Flyaway U/C												
Wpn Sys Proc U/C												

The M969A3 5000-Gallon Fuel Tanker Semi-Trailer performs automotive refueling and bulk fuel hauling from Division to Main Supply and Forward Support Battalions. The M969A3 Tanker is found primarily in Transportation Medium Truck Companies, Petroleum, assigned to Quartermasters Battalion. The M969A3 is equipped with a self-priming pump assembly and a filter separator assembly for automotive fuel. This dispensing assembly consists of dual automotive refueling systems that are pressurized to deliver fuel by a diesel engine and centrifugal pump combination. Each refueling system is composed of a meter, electric rewind hose reel, 50-feet of dispensing hose, and a dispensing nozzle. Deadman and overflow prevention features are included. These systems support the Legacy transition path of the Transformation Campaign Plan (TCP).

### Justification:

Funding through FY03 will fill 90% of the Army Acquisition Objective (AAO) of 2,717 in concert with supporting the Total Army Analysis (TAA)-07 for the Semi-Trailer Automotive. This TAA-07 process recognized that a severe shortage of petroleum distribution personnel and equipment exists in the current Army force structure.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/F Other Procure Tactical and st	Budget Activ ment, Army / apport vehicle	rity/Serial No. 1 / s			tem Nomenclature LER TANK 5000G A	e: AUTOMOTIVE (D02	2306)	Weapon System	Гуре:	Date: Febru	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Vehicle Federal Retail Excise Tax Testing PVT- ATC System Technical Support Engineering Support Quality Assurance Program Management Support System Fielding Support					945 113 33 45 10 16 38	9	105	5673 680 49 35 20 29 132	61	93	6419 875 89 77 75 211 116		94
Total					1200			6618			7862		

Exhibit P-5a, Budget Procurement I	History and Planning							Date: F	ebruary 2	002
ppropriation/Budget Activity/Serial No: ther Procurement, Army / 1 / Tactical and support vehicles		Weapon Systo	ет Туре:			tem Nomeno R TANK 5000G	lature: AUTOMOTIVE (D0	2306)		
BS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP I Dat
Vehicle										
FY 2001	Heil Trailer International Chattanooga, Tennessee	REQ5 (2)	TACOM, Warren, MI	Nov 01	Apr 02	9	105	Yes	N/A	
FY 2002	Heil Trailer International Chattanooga, Tennessee	REQ5 (3)	TACOM, Warren, MI	Jan 02	Nov 02	61	93	Yes		
FY 2003	Heil Trailer International Chattanooga, Tennessee	REQ (4)	TACOM, Warren, MI	Jan 03	Nov 03	69	94	Yes		
EMARKS:										

	FY 02 / 03 BUDGET P	ROD	UCTION	SCH	[EDUL]	E			Item N IITRA				00G A	AUTO	ОМОТ	ΓIVE	(D02	306)						Date:			Fe	oruary	2002	2		
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				g	PROC	ACCEP	BAI								Cale	endar	Yea	r 02								Cale	ndar	Year	03			L
	COST ELEMENTS	M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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	A T E R
Ve	hicle																									+			+			
		1	FY 01	A	9	0	9		А					5						4									Т			0
		1	FY 02	A	61	0	61				Α										10	) 10	10	0 1	0 1	0 1	1					0
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M			PR	ODUCTI	ON RATES			M	FR						ADM	4INLE	AD T	IME			MFR	1		TOTA	AL	R	REMA	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Af	fter 1 C	Oct	At	fter 1	Oct	A	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		,	INIT	IAL				0			1			4			5		1						
1	Heil Trailer International, Chattanooga, Tennessee		1.00		65.00	80.00	7		1	REO	RDER				0			3			10			13								
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Ш											RDER															4						
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Н										INIT																4						
										REO:	RDER																					

	FY 04 / 05 BUDGET PF	ROD	UCTION	SCH	I <b>EDU</b> L	E			Item N IITRA				00G A	AUTO	МОТ	ΓIVE	(D02	306)						Date:			Feb	ruary	2002			
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				S	PROC	ACCEP	BAL								Cale	endar	· Yea	r 04								Calen	dar Y	Year (	)5			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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	T E R
Vel	hicle							H					$\dashv$																			
		1	FY 01	A	9	9	0																									0
		1	FY 02	A	61	61	0		П																							0
		1	FY 03	A	69	0	69		9	10	10	10	10	10	10																	0
To	tal				139	70	69		9	10	10	10	10	10	10																	
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F							REACHED	Nur	nber					Pri	or 1 O	ct	Ai	fter 1 C	Oct	Ai	fter 1 (	Oct	Α	fter 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				0			1			4			5								
1	Heil Trailer International, Chattanooga, Tennessee		1.00		65.00	80.00	7		1	REO	RDER				0			3			10			13		1						
										INIT	IAL															1						
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Н										INIT		_	-													-						
										REO	RDER																					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sh	eet	D	ate:	I	February 2002				
Appropriation/Budget Acti Other Procurement, Army /1/Ta	vity/Serial No: actical and support v	vehicles				P-1 Item Nom SEN		TANK, 7500G	/9200G, BULF	KHAUL (D02	700)			
Program Elements for Code	oc Qty 727 70 177 97													
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog		
Proc Qty	727	70		177								974		
Gross Cost	22.5	0.6	0.5	8.8								32.5		
Less PY Adv Proc														
Plus CY Adv Proc														
Net Proc (P-1)	22.5	0.6	0.5	8.8								32.5		
Initial Spares														
Total Proc Cost	22.5	0.6	0.5	8.8								32.5		
Flyaway U/C														
Wpn Sys Proc U/C														

The Semi-Trailer Tank, 7500-Gallon Bulkhaul procurement will transport petroleum products from the source (e.g. Communication Zone (COMMZ) and Rear Corp areas), to the Forward Division area(s) where the fuel is transferred into tactical refueling systems for retail distribution into combat and services support vehicles, aircraft and other ground equipment. These systems support the Legacy transition path of the Transformation Campaign Plan (TCP).

### Justification:

Funding through FY01 will fill 40% of the Army Acquisition Objective (AAO) of 2,883 in concert with supporting the Total Army Analysis (TAA)-07. To correct the petroleum distribution equipment problem, many petroleum related units were added to the Army's force structure in the Active, Reserve and National Guard Components.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/I Other Procure Tactical and s	Budget Activ ment, Army / I apport vehicles	rity/Serial No. 1 / s		P-1 Line I	tem Nomenclature LER, TANK, 7500G	e: /9200G, BULKHAU	JL (D02700)	Weapon System	Type:	Date: Februa	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Vehicle Federal Retail Excise Tax Test Vehicles Test-PVT System Technical Support Engineering Support Quality Assurance Support Program Management Support System Fielding Support					7040 960 110 146 68 364 139	177	40						
Total					8827								

Exhibit P-5a, Budget Procurement Hist	tory and Planning							Date: F	ebruary 20	002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support vehicles		Weapon Syster	m Type:			em Nomenc R, TANK, 7500G	lature: 6/9200G, BULKHAUI	. (D02700)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Vehicle FY 2001	TBS	Option	TACOM, Warren, MI	Mar 02	Aug 02	177	40			
REMARKS:										

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Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	I	February 2002				
Appropriation/Budget Acti Other Procurement, Army /1/T		vehicles				P-1 Item Nom SEN		VAN CGO SUI	PPLY 12T 4W	HL M129A20	C (D04800)			
Program Elements for Cod	e B Items:			Code: A	Other Relat	ed Program El	ements:							
	Prior Years	FY 1999	FY 2005	FY 2006	FY 2007	To Complete	Total Prog							
Gross Cost	44.7	6.3	7.5	0.3										
Less PY Adv Proc														
Plus CY Adv Proc														
Net Proc (P-1)	44.7	6.3	7.5	0.3										
Initial Spares														
Total Proc Cost	44.7	6.3	7.5	0.3										
Flyaway U/C														
Wpn Sys Proc U/C														

The Semi-trailer Van Cargo is a 12-Ton, 35-Foot, military designed with four wheels, and multi-purpose Tactical Semi-Trailer Van. The van body construction is aluminum to reduce the corrosion problem experienced on the predecessor systems. The construction of the van body is air and watertight. The solid-state 12/24-volt DC electrical system is compatible with military and commercial tractors. The Semi-Trailer Van meets current transportability standards. The vehicle has built-in flexibility to permanently secure modular storage and drawer systems for the transportation and issuance of shop inventories and military supplies. Prime mover is the military 5-Ton Truck. These items support the Legacy transition path of the Transformation Campaign Plan (TCP).

#### Justification:

The Semi-trailer Van Cargo configuration that is used by various types of support units engaging in storage, transportation and issuance of military supplies. The van houses sophisticated electrical equipment (radio and computerized) for command post communications, spare parts, and maintenance tool shops for field repairs. The user has 100% mobility requirement to store, transport and resupply Prescribed Load List/Authorized Support List (PLL/ASL) Class IX items and 80% of the repair parts to the forward elements in a relatively short period of time (20 minutes). The remaining 20% of the repair parts will be in place within a 3-4 hour timeframe.

Exh	roc Qty 675 841 1236 1250 2064 2140 2032 3240 6092 19570 ross Cost 3088.0 74.6 91.3 134.6 148.8 196.8 204.3 201.4 291.3 506.8 4937.8 ess PY Adv Proc														
		vehicles						PURP WHLD	VEH (HMMV	VV) (D15400)					
Program Elements for Co	A Prior Years FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 To Complete T														
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog			
Proc Qty		675	841	1236	1250	2064	2140	2032	3240	6092		19570			
Gross Cost	3088.0	74.6	91.3	134.6	148.8	196.8	204.3	201.4	291.3	506.8		4937.8			
Less PY Adv Proc															
Plus CY Adv Proc															
Net Proc (P-1)	3088.0	74.6	91.3	134.6	148.8	196.8	204.3	201.4	291.3	506.8		4937.8			
Initial Spares															
Total Proc Cost	3088.0	74.6	91.3	134.6	148.8	196.8	204.3	201.4	291.3	506.8		4937.8			
Flyaway U/C															
Wpn Sys Proc U/C															

The High Mobility Multi-Purpose Wheeled Vehicle (HMMWV) is a lightweight, high performance, four-wheel drive, air transportable and air droppable, high mobility tactical family of wheeled vehicles. The vehicle has a diesel engine, automatic transmission and payloads of 2500 lbs. (HMMWV Group 1), 3660 lbs. (HMMWV Group II), 4400 lbs. (Heavy HMMWV M1097), and 5100 lbs. (Expanded Capacity Vehicle (M1113). The Block 1, or A1 models of the HMMWV began fielding in March 1994. The A1 models have improved seating and M1097 components across the family. The A2 models began fielding in October 1997. The A2 models have an updated engine and a 4-speed electronic controlled automatic transmission. The Scout HMMWV is a specially modified armament carrier to accommodate the Scout mission role. The Up-Armored HMMWV (M1114) provides its crew complete ballistic protection against anti-tank and anti-personnel mines (up to 12 pounds of explosive), and 360-degree protection against 7.62 armor-piercing munitions. The M1113 Expanded Capacity Vehicle (ECV) will be used for other programs where the M1097 capacity is insufficient. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

#### **Justification:**

FY03 funding procures 2,064 HMMWV's. These vehicles are required to fill shortages in the Army inventory. The M1114 Up-Armored HMMWV will be used to replace select vehicles in military police units. The M1114 improves the protection levels of light tactical vehicles. The M1025A2 will be used to support the Striker program. M1097A2's and M1113 Expanded Capacity Vehicles support Army Interchange requirements. Vehicles will be placed in high priority units. The Army Acquisition Objective (AAO) is 122,000.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/E Other Procurer Tactical and su	ment, Army /	1/			tem Nomenclature ULTI-PURP WHLD			Weapon System	Гуре:	Date: Febru	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Vehicle Up-Armor M1114 (D15402) Hvy Var M1097A2 (D15402) Truck Utility M1025A2 (D15402) ECV M1113 (D15402)					30575 43636 2365	450 752 34	68 59 70	31836 29250 8228 11761	467 489 112 182	60 74	24850 57913 3305 50245	920 44	70 63 76 68
Subtotal					76576			81075			136313		
Engineering Changes Kits Government Testing					2757 4265			2919 7817			4089 6302		
Comparison Test (ATC) Cooling Test (YPG)					209			213			215		
Preproduction Qualification Test System Technical Support (STS) Engineering Support - In-House Government Furnished Equipment (Chassis) Fielding Support Project Management Support					290 8002 1410 33632 3691 3750	450	75	295 9935 1435 35312 5965 3814	467	76	299 9910 1454 28405 5932 3864	360	79
Total					134582			148780			196783		

Exhibit P-5a, Budget Procuren	nent History and Planning							Date: F	February 2	.002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support vehic	cles	Weapon Syste	em Type:			em Nomeno	elature: O VEH (HMMWV) (I	)15400)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Up-Armor M1114 (D15402)										
FY 2001	O'Gara Hess & Eisenhardt Fairfield, OH	SS/Other	TACOM, Warren, MI	Dec 00	Jun 01	450	68	Yes	N/A	N/A
FY 2002	O'Gara Hess & Eisenhardt Fairfield, OH	SS/Other	TACOM, Warren, MI	Dec 01	Jun 02	180	69	Yes	N/A	N/A
FY 2002	O'Gara Hess & Eisenhardt Fairfield, OH	SS/Other	TACOM, Warren, MI	Jan 02	Jul 02	180	69	Yes	N/A	N/A
FY 2002	O'Gara Hess & Eisenhardt Fairfield, OH	SS/Other	TACOM, Warren, MI	Feb 02	Aug 02	107	69	Yes	N/A	N/A
FY 2003	O'Gara Hess & Eisenhardt Fairfield, OH	SS/Other	TACOM, Warren, MI	Jan 03	Jul 03	360	70	Yes	N/A	N/A
Hvy Var M1097A2 (D15402)										
FY 2001	AM General Mishawaka, IN	SS/Other	TACOM, Warren, MI	Nov 00	May 01	752	59	Yes	N/A	N/A
FY 2002	AM General Mishawaka, IN	SS/Other	TACOM, Warren, MI	Nov 01	May 02	489	60	Yes	N/A	N/A
FY 2003	AM General Mishawaka, IN	SS/Other	TACOM, Warren, MI	Nov 02	May 03	920	63	Yes	N/A	N/A
Truck Utility M1025A2 (D15402)										
FY 2001	AM General Mishawaka, IN	SS/Other	TACOM, Warren, MI	Nov 00	May 01	34	70	Yes	N/A	N/A
FY 2002	AM General Mishawaka, IN	SS/Other	TACOM, Warren, MI	Nov 01	May 02	72	74	Yes	N/A	N/A
FY 2002	AM General Mishawaka, IN	SS/Other	TACOM, Warren, MI	Feb 02	Aug 02	40	74	Yes	N/A	N/A
FY 2003	AM General Mishawaka, IN	SS/Other	TACOM, Warren, MI	Nov 02	May 03	44	76	Yes	N/A	N/A
r i 2003		188/Other	1 ACOM, warren, MI	Nov 02	мау 03	44	/6	Y es	IN/.	A

REMARKS: AM General is the current contractor for the M1097A2, M1025A2 and the ECV M1113. O'Gara Hess & Eisenhardt (OHE) is the contractor for the M1114 Up-Armor (the chassis is provided by AM General as Government Furnished Equipment (GFE). The chassis for the M1114 (built by AM General) are shown on the P-5 as Government Furnished Equipment to support the OHE contract.

Exhibit P-5a, Budget Procurement	History and Planning							Date: I	February 2	:002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support vehicles		Weapon Syst	ет Туре:		P-1 Line It		clature: D VEH (HMMWV) (E	015400)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
ECV M1113 (D15402)										
FY 2002	AM General Mishawaka, IN	SS/Other	TACOM, Warren, MI	Nov 01	May 02	182	65	Yes	N/A	N/A
FY 2003	AM General Mishawaka, IN	SS/Other	TACOM, Warren, MI	Nov 02	May 03	740	68	Yes	N/A	N/A
Government Furnished Equipment (Chassis)										
FY 2001	AM General Mishawaka, IN	SS/Other	TACOM, Warren, MI	Nov 00	May 01	450	75	Yes	N/A	N/A
FY 2002	AM General Mishawaka, IN	SS/Other	TACOM, Warren, MI	Dec 01	Jun 02	180	76	Yes	N/A	N/A
FY 2002	AM General Mishawaka, IN	SS/Other	TACOM, Warren, MI	Jan 02	Jul 02	180	76	Yes	N/A	N/A
FY 2002	AM General Mishawaka, IN	SS/Other	TACOM, Warren, MI	Feb 02	Aug 02	107	76	Yes	N/A	N/A
FY 2003	AM General Mishawaka, IN	SS/Other	TACOM, Warren, MI	Nov 02	May 03	360	79	Yes	N/A	N/A

REMARKS: AM General is the current contractor for the M1097A2, M1025A2 and the ECV M1113. O'Gara Hess & Eisenhardt (OHE) is the contractor for the M1114 Up-Armor (the chassis is provided by AM General as Government Furnished Equipment (GFE). The chassis for the M1114 (built by AM General) are shown on the P-5 as Government Furnished Equipment to support the OHE contract.

Г	FY 01 / 02 BUDGET PR	OD	UCTION	SCH	IEDULI	E			Item N MOB N				/HLD	VEH	I (HM	MWV	V) (D	15400	))					Date:			F	Febru	ary 2	2002			
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M	1097A2, M1025A2, M1113, Chassis																									Т	Т						
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		1	FY 01	A	752	0	752		A						30	64	64	64	64	52	69	69	69	69	9 6	9 (	69						0
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		1	FY 02	A	72	0	72														A					Т	Т	5	5	5	5	5	47
		1	FY 02	A	182	0	182														A					Т	Т	35	15	15	10	10	97
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Ext	nibit P-40	, Budge	t Item J	ustifica	tion She	eet	Di	ate:	F	February 2002		
Appropriation/Budget Ac Other Procurement, Army /1/		rehicles				P-1 Item Nom TRU		20T (CCE) (D	16001)			
Program Elements for Co	de B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty			65	23	30	70	60	29	28	115		420
Gross Cost			13.1	5.0	8.0	17.1	15.3	8.2	8.2	33.7		108.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			13.1	5.0	8.0	17.1	15.3	8.2	8.2	33.7		108.6
Initial Spares												
Total Proc Cost			13.1	5.0	8.0	17.1	15.3	8.2	8.2	33.7		108.6
Flyaway U/C												
Wpn Sys Proc U/C												

The M917A2 20-Ton Dump Truck is a non-developmental item used to load, transport, and dump 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. This truck has a heavy duty steel, 18.5-Ton, 14 cubic yard capacity, in a cab controlled double action hydraulic hoist system capable of a 50-degree tilt angle, 8-inch high removable sideboards, easy wind tarpaulin system, and an air actuated tailgate lock. This 18.5-Ton Dump Truck is transportable by highway, rail, marine, and air modes worldwide. This Dump Truck with the Material Control System (MCS) has an air actuated four-door tailgate controlled by the operator, capable of dumping loads through any one or all four gates. The M917A2 Dump Truck replaces the 25-year old F5070 and the 19-year old M917 Dump Trucks on a one-for-one basis in existing engineering units. These systems support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

#### Justification:

FY03 procures 70 M917A2 Dump Trucks that are required to replace overage F5070 and M917 dump trucks, which are becoming increasingly difficult and costly to maintain. The Army Acquisition Objective (AAO) is 1,076.

Note: FY00 is the first year that the 20-Ton Dump Truck is OPA 1. Previously, it was OPA 3. M917A1 Dump Truck procurements thru FY99 were 551.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/B Other Procurer Tactical and su	ment Army/	1 /			tem Nomenclature UMP, 20T (CCE) (D			Weapon System	Гуре:	Date: Februa	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<ol> <li>M917A2 - W/O Material Control System</li> <li>M917A2- W/Material Control Sys</li> <li>FET/M917A2-W/O Material Control Sys</li> <li>FET/M917A2-W/Material Control Sys</li> <li>Engineering Change Proposals</li> <li>Documentation</li> <li>Testing - Prod Verification Testing</li> <li>Engineering - In House</li> <li>Program Management Support</li> <li>System Fielding Support</li> </ol>					3042 900 365 93 60 54 70 50 300 100	18 5	169 180	5520 662 200 310 315 100 350 565	30	184	13020 1595 254 410 550 150 450 650		186
Total					5034			8022			17079		

Exhibit P-5a, Budget Procuremen	t History and Planning							Date:	ebruary 2	.002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support vehicles		Weapon Syste	m Type:			em Nomenc IP, 20T (CCE) (I				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Is Date
1. M917A2 - W/O Material Control System										
FY 2001	Freightliner Corporation Portland, OR	Option/CFP	TACOM, Warren, MI	Dec 00	Jun 01	12	169	YES	N/A	
FY 2001	Freightliner Corporation Portland, OR	Option/CFP	TACOM, Warren, MI	Sep 01	Mar 02	6	169	YES	N/A	
2. M917A2- W/Material Control System										
FY 2001	Freightliner Corporation Portland, OR	Option/CFP	TACOM, Warren, MI	Sep 01	Mar 02	5	180	YES	N/A	
FY 2002	Freightliner Corporation Portland, OR	Option/CFP	TACOM, Warren, MI	Feb 02	Aug 02	30	184	YES	N/A	
FY 2003	Freightliner Corporation Portland, OR	Option/CFP	TACOM, Warren, MI	Dec 02	Jun 03	70	186	YES	N/A	
										1

	FY 01 / 02 BUDGET	PROD	OUCTION	SCH	IEDUL	E			Item N JCK, D				E) (D	16001	1)									Date:			Fe	bruar	y 200	2			
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	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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 L L	I L	S E P	T E R	`
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		1	FY 01	A	6	0	6												A						(	6							0
2. N	M917A2- W/Material Control System																												Т				
		1	FY 01	A	5	0	5												A						4	5							0
		1	FY 02	A	30	0	30																	Α	1						5	.5	0
		1	FY 03	A	70	0	70																						Т				70
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M			PR	ODUCTI	ON RATES			M	FR						ADM	ЛINLЕ	AD T	IME			MFR			TOTA	L	RE	MAR	.KS				
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R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	TAL				0			11			17			28						dy sty The M		
1	Freightliner Corporation, Portland, OR		10.00		33.00	80.00	3		1	REO	RDER				0			2			6			8		is p	rodu	ced to	gethe	r with	the	
Ш										INIT	TAL																				hich 1	uns at
										REO	RDER															a ra	ite of	90 pe	r day.			
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										REO	RDER																					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	F	ebruary 2002		
Appropriation/Budget Acti Other Procurement, Army /1/T		ehicles				P-1 Item Nom FAN		DIUM TACTIO	CAL VEH (FM	ITV) (D15500	))	
Program Elements for Cod	le B Items:			Code: A	Other Relat	ed Program Ele	ements:	PE 0604604	4A/Project DH	07 Medium Ta	actical Vehicles	1
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	10869	1439	1916	2269	2464	3574	1990	3350	3847	6790	44363	82871
Gross Cost	1520.4	335.6	422.6	465.0	464.1	681.4	432.5	696.9	775.5	1281.0	11166.1	18241.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1520.4	335.6	422.6	465.0	464.1	681.4	432.5	696.9	775.5	1281.0	11166.1	18241.1
Initial Spares	0.1	0.1										0.2
Total Proc Cost	1520.5	335.6	422.6	465.0	464.1	681.4	432.5	696.9	775.5	1281.0	11166.1	18241.3
Flyaway U/C												
Wpn Sys Proc U/C												

The Family of Medium Tactical Vehicles (FMTV) is a complete series of trucks and trailers based on a common chassis and varied by payload and mission. The Light Medium Tactical Vehicle (LMTV) has a 2-1/2-ton capacity consisting of cargo and van models. The Medium Tactical Vehicle (MTV) has a 5-ton capacity, consisting of cargo, tractor, van, wrecker, tanker, and dump truck models. Sub-variants provide Air Drop (AD) capability for contingency and rapid deployment operations. The commonality between variants significantly reduces operation and maintenance costs. FMTV will perform over 55% of the Army's local and line haul, and unit resupply missions in combat, combat support, and combat service support units. The quantities shown above reflect trucks only. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

#### Justification:

FY03 procures 1002 2-1/2-ton and 5-ton trucks via the first year of the competitive rebuy multiyear contract scheduled for award in Mar 03. FY03 also procures 2,572 trucks via the option clause of the current sole-source multiyear plus option contract. This option eliminates a production break between the two contracts. The FMTV is required to fill the 2-1/2-ton truck (LMTV) and 5-ton truck (MTV) requirements, reduce operating and support costs, resolve potential operational deficiencies and operate throughout the theater as multi-purpose transportation vehicles used by combat, combat support, and combat service support units. The system is designed to be rapidly deployable worldwide and operate on primary and secondary roads, trails, and cross-country terrain in all climatic conditions.

Exhibit P-5, Weapon OPA1 Cost Analysis	Other Pro	on/Budget Acti curement, Army / nd support vehicle				tem Nomenclature F MEDIUM TACTIO			Weapon System	Гуре:	Date: Febru	ary 2002
OPA1		FY 00			FY 01			FY 02			FY 03	
Cost Elements CI	O TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. VehiclesLMTV CargoLMTV Cargo w/ winchLMTV Cargo-Air DropLMTV Cargo-Air Drop w/ winchLMTV Van				54680 15489 17084	404 106 86	136 147 199	186379 56263	1370 382	137 148	215553 30972 404	1617 215 2	134 145 202
LMTV Van w/ winch LMTV Chassis												
SUBTOTAL LMTV				87253			242642			246929		
MTV Cargo MTV Cargo w/ winch MTV Cargo-Air Drop MTV Cargo-Air Drop w/ winch				122788 13938	785 84	157 166	50907	323	158	94089 10640	605 64	156 167
MTV Cargo-All Diop w/ whichMTV Cargo-Long Wheel Base (LWB)MTV Cargo-LWB w/ winchMTV Cargo-LWB & Mat'l Handl Equip (MHEMTV Cargo MHE				791 11268	53	159 213	11246	70	161	8349 514 2592 3833	52 3 12 18	
MTV Dump MTV Dump w/ winch MTV Tractor				91751	632	146	40834	260	158	13894 611 115832	71 3 757	196 204 154
MTV Tractor w/ winchMTV WreckerMTV Expansible VanMTV Tanker				8597 20204	52 62	166 326	9890	59	168	11421 24734 2724	70 75 10	330
MTV Chassis MTV Chassis-LWB MTV Water Tanker												
SUBTOTAL MTV				269337			112877			289233		
LMTV Trailers MTV Trailers				8360 11666	260 260	33 45	8151 11542	260 260	32 45	12680 13498	410 310	
SUBTOTAL TRAILERS				20026			19693			26178		
<ul><li>2. Federal Retail Excise Tax</li><li>3. Engineering Changes</li></ul>				16056 13056			6087 6175			22140 14484		

Exhibit P-5, Weapon OPA1 Cost Analysis	(	propriation/B Other Procurem Tactical and sup	nent, Army / 1	/			tem Nomenclature F MEDIUM TACTI	e: CAL VEH (FMTV) (	D15500)	Weapon System	Гуре:	Date: Februa	ary 2002
	D		FY 00			FY 01			FY 02			FY 03	
Cost Elements C		ΓotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
4. TestingContractorGovernment 5. Contractor Program Support 6. Engineering SupportGovernment (In-house)ContractorCompetitive Evaluation 7. Quality Assurance Support (In-house) 8. HAC S&I A0 Improvements 9. Fielding Support 10. Project Mgmt Support		\$000	Each	\$000	\$000 721 2012 8352 3881 7650 11777 338 6265 12025 6212	Each	\$000	\$000 1174 2046 6905 4362 7461 10000 344 18251 19702 6418	Each	\$000	\$000 7616 2087 13948 4449 14242 351 11913 21258 6545		\$000
Total					464961			464137			681373		

Exhibit P-5a, Budget Procu	rement History and Planning							Date:	ebruary 2	002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support	vehicles	Weapon Syst	ет Туре:			em Nomeno MEDIUM TACT	lature: ICAL VEH (FMTV) (	(D15500)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
1. Vehicles										
FY 2001	Stewart & Stevenson, Inc. Sealy, TX	SSM-4(4)	TACOM, Warren, MI	Dec 00	Oct 01	2042	161			
FY 2001	Stewart & Stevenson, Inc. Sealy, TX	Option	TACOM, Warren, MI	Feb 01	Oct 01	227	128			
FY 2002	Stewart & Stevenson, Inc. Sealy, TX	Option	TACOM, Warren, MI	Dec 01	Oct 02	2400	145			
FY 2002	Stewart & Stevenson, Inc. Sealy, TX	Option	TACOM, Warren, MI	Mar 02	Jan 03	64	146			
FY 2003	Stewart & Stevenson, Inc. Sealy, TX	Option	TACOM, Warren, MI	Nov 02	Oct 03	2572	145			
FY 2003	TBS TBD	CM-5(1)	TACOM, Warren, MI	Mar 03	Feb 04	1002	166			8/02
Competitive Evaluation										
FY 2001	S&S, Inc. & Oshkosh Truck Corp Sealy, TX & Oshkosh, WI	CFFP	TACOM, Warren, MI	Apr 01	n/a					12/00

REMARKS: Quantity above is for trucks only; unit cost is an average of different truck models and can vary due to model mix procured.

	FY 02 / 03 BUDGET PR	OD	UCTION	SCF	IEDUL	E			tem N				ACTI(	CAL '	VEH	(FMT	V) (I	D1550	0)					Date:	:		F	ebru	ary 20	002			
												Fi	scal Y	Year (	02									]	Fiscal	l Ye	ar 03						
				S	PROC	ACCEP	BAL				Ц,				Cale	endar	Yea	r 02								Cal	lenda	r Ye	ar 03				L A
	COST ELEMENTS	M F R	FY	Ë R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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 N P A R Y		J U N	J U L	A U G	S E P	T E R
1.	Vehicles																									+	+	十	+				
		1	FY 01	A	227	0	227	32	28	20	28	19	22	25	24	22	7									Т	$\top$	T					0
		1	FY 01	A	2042	0	2042	154	167	125	180	167		194	167	167	167	167	166	54								$\top$					0
		1	FY 01	AR	14	0	14										14											$\Box$					0
		1	FY 01	NG	19	0	19				19																	$\Box$					0
		1	FY 01	OTH	26	0	26		2		19		1				3		1									$\Box$					0
		1	FY 02	A	2400	0	2400			A										163	210	205	20:	5 21	0 17	19 2	210 2	210	210	210	210	178	0
		1	FY 02	A	64	0	64						A											7	7	7	7	7	7	7	7	8	0
		1	FY 03	A	2572	0	2572														A												2572
		2	FY 03	A	1002	0	1002																		1	A							1002
		2	FY 04	A	1990	0	1990																			L							1990
		2	FY 05	A	3350	0	3350																										3350
		2	FY 06	A	3847	0	3847																										3847
		2	FY 07	Α	6790	0	6790																			L							6790
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Тс	otal				24343		24343	186	197	145	246	186	190	219	191	189	191	167	167	217	210	205	212	2 21	7 18	36 2	217 2	:17	217	217	217	186	19551
								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		Α			A		J U L	U	S E P	
M			PR	ODUCT	ON RATES			M	FR						ADM	/INLE	AD T	IME			MFR			TOTA	AL	Т	REM	ARK	S				
F							REACHED	Nun	nber					Pri	ior 1 O	ct	Af	fter 1 C	ct	At	fter 1 (	Oct	A	After 1	Oct		The T						
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1	Stewart & Stevenson, Inc., Sealy, TX		150.00		350.00	700.00	12		ı	REO	RDER				0			1			11			12		4	T	ruck	Tra				
2	TBS, TBD		150.00		350.00	700.00	12	2	2	INIT					0			5			11			16		4	FY 01 2		Ys (		3		
_											RDER				0			1			11			12		4		2269 2464					
_										INIT																4	03	2572	2 52	0			
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										REO	RDER																						

	FY 04 / 05 BUDGET PR	ROD	UCTION	SCH	IEDULI	E			tem N IILY (				ACTI(	CAL	VEH	(FMT	(V) (I	D1550	00)					Date:	:		F	ebru	ary 20	002			
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				S	PROC	ACCEP	BAL								Cal	endar	Yea	r 04								Cal	enda	r Ye	ar 05	;			L A
	COST ELEMENTS	M F R	FY	Ë R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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 M P A R S	M A Y	J U N	J U L	A U G	S E P	T E R
1.	Vehicles																								+	+	+	+	┪				
		1	FY 01	Α	227	227	0																			T		┪					0
		1	FY 01	A	2042	2042	0																			T							0
		1	FY 01	AR	14	14	0																			T							0
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		1	FY 01	ОТН	26	26	0																			Т		┪					0
		1	FY 02	A	2400	2400	0																										0
		1	FY 02	Α	64	64	0																										0
		1	FY 03	A	2572	0	2572	214	214	214	214	214	214	214	214	215	215	215	215														0
		2	FY 03	A	1002	0	1002					83		83	83	83	83	84	84	84	84	84	84	4									0
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		2	FY 05	A	3350	0	3350														A												3350
		2	FY 06	A	3847	0	3847																										3847
		2	FY 07	A	6790	0	6790																										6790
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	COST ELEMENTS	M F R	FY	Ë R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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	I U	S E P	T
1.	Vehicles																									+	+	+	┿	+	+	
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		1	FY 01	A	2042	2042	0																			Т			Т			0
		1	FY 01	AR	14	14	0																			Т			Т			0
		1	FY 01	NG	19	19	0																									0
		1	FY 01	ОТН	26	26	0																									0
		1	FY 02	A	2400	2400	0																						I			0
		1	FY 02	A	64	64	0																									0
		1	FY 03	A	2572	2572	0																									0
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F							REACHED	Nun	nber					Pri	ior 1 O	ct	Af	fter 1 (	Oct	At	fter 1 (	Oct	A	After 1	Oct				chedu			
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				0			1			11			12			oes no TY's:		lude t	he fol	lowin	g Trailer
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	COST ELEMENTS	M F R	FY	Ē R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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	T
1.	Vehicles																				$\vdash$				+	╁	+	+	╈	+	+	
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		1	FY 01	A	227	227	0																						T			0
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		2	FY 04	A	1990	1990	0																						Т			0
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M			PR	ODUCTI	ON RATES			MI	FR.						ADM	/INLE	AD T	ΊΜE			MFF	₹		TOTA	AL	F	REMA	RKS				
F							REACHED	Nun	nber					Pri	ior 1 O	ct	Ai	fter 1 (	Oct	A	fter 1	Oct	A	After 1	Oct						wn ab	
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				0			1			11			12			oes no TY's		ude tl	he fol	owing	g Trailer
1	Stewart & Stevenson, Inc., Sealy, TX		150.00		350.00	700.00	12	1		REO	RDER				0			1			11			12		, V		uck 1	Γraile	rs		
2	TBS, TBD		150.00		350.00	700.00	12	2		INIT	IAL				0			5			11			16				QTYs		Ϋ́s		
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L										INIT										lacksquare			_			0	3 2	572	520			
⊢											RDER																		200 550			
<u> </u>										INIT			_										_					350	1258			
⊢											RDER																		1258			
$\vdash$									ŀ	INIT			_							$\vdash$			⊢			0	/ 6	790	1258			
										REO	RDER																					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Da	nte:	F	February 2002			
Date:   February 2002   P-1   Item Nomenclature   FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMENT (DI Program Elements for Code B Items:   Code: A   Other Related Program Elements:   FY 2004   FY 2005   FY 2006   FY 2007   To Com Proc Qty   8   52   10   38   80   34   17   15   Gross Cost   7.6   17.6   9.0   21.0   33.7   21.4   11.8   9.2   P-1   Item Nomenclature   FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMENT (DI Proc Qty   FY 2000   FY 2001   FY 2002   FY 2003   FY 2004   FY 2005   FY 2006   FY 2007   To Com Proc Qty   8   52   10   38   80   34   17   15   To Com Proc Qty   To Com Proc Qty													
Program Elements for Coo	de B Items:				Other Relate	ed Program Ele	ements:						
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog	
Proc Qty			8	52	10	38	80	34	17	15		254	
Gross Cost			7.6	17.6	9.0	21.0	33.7	21.4	11.8	9.2		131.4	
Less PY Adv Proc													
Plus CY Adv Proc													
Net Proc (P-1)			7.6	17.6	9.0	21.0	33.7	21.4	11.8	9.2		131.4	
Initial Spares													
Total Proc Cost			7.6	17.6	9.0	21.0	33.7	21.4	11.8	9.2		131.4	
Flyaway U/C													
Wpn Sys Proc U/C													

This line is a roll-up of various Fire Trucks. These vehicles are used for fighting fire accidents, and as a safety precaution at ammunition storage areas in Theatre. In addition, these vehicles respond to forest fires, train & 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. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### Justification:

FY03 procures Tactical and Non-Tactical Fire Fighting Trucks, which will replace many unsafe/overage vehicles currently unable to respond to fire calls and/or are uneconomical to repair. Total Army Acquisition Objective (AAO) for all Non-Tactical Fire Trucks is 928 and Tactical Fire Trucks 147.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/E Other Procure Tactical and so	ment, Army /	1 /		FIRETRUC	tem Nomenclature KS & ASSOCIATEI NT (D15800)	o: O FIREFIGHTING		Weapon System	Гуре:	Date: Februa	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
<b>Cost Elements</b>	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Firetruck, Non-Tactical     Truck, Firefighting, Tactical	A B				15823 1752	52 3	305 584	8962	15	598	1857 19190	6 32	310 600
Total					17575			8962			21047		

Proc Qty         4         49         6         51         15         12           Gross Cost         5.1         15.8         1.9         15.4         4.5         4.5         42           Less PY Adv Proc         6         6         7         <													
		vehicles						ION-TACTICA	AL (D15801)				
Program Elements for Cod	le B Items:				Other Relat	ed Program Ele	ements:						
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog	
Proc Qty			4	49		6	51			15		125	
Gross Cost			5.1	15.8		1.9	15.4			4.5		42.7	
Less PY Adv Proc													
Plus CY Adv Proc													
Net Proc (P-1)			5.1	15.8		1.9	15.4			4.5		42.7	
Initial Spares													
Total Proc Cost			5.1	15.8		1.9	15.4			4.5		42.7	
Flyaway U/C													
Wpn Sys Proc U/C													

These vehicles are of standard commercial design with only slight modifications. Examples include Pumper Trucks, Structural Pumpers, Ladder Trucks, Brush/Mini Pumper Trucks, Hazardous Material (HAZMAT)/Rescue Trucks, Brush Tankers, Airfield Crash Trucks, and Multi-Purpose Firetrucks. The Major Commands (MACOM) needing these trucks include U.S. Army Europe, Military District of Washington, Military Traffic Management Command, Forces Command, Training & Doctrine Command, Army Material Command Installations, Army Developmental Test Command, U.S. Army Pacific, National Guard Bureau, and Eighth U.S. Army (Korea). The Army's Fire Fighting Vehicles are essential to all military installations and to many local communities for preservation of life and property. Many of these overage vehicles are unsafe, unable to respond to fire calls, and uneconomical to repair. The current condition of the fleet creates a situation in which a disaster could easily occur. Our Army fire vehicles not only respond to fires on installations and within local communities, but also to forest fires, aircraft, train, and automotive accidents, and hazardous material incidents. Without these fire vehicles we put the lives of soldiers, dependents, civilian work force, and the local community at risk. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

#### Justification:

FY03 procures one Ladder Truck, two Structural Pumpers, one Airfield Crash Truck, one Brush/Mini Pumper, and one HAZMAT/Rescue Truck; to fill existing shortages and replace overage trucks. Total Army Acquisition Objective (AAO) for all Non-Tactical Fire Trucks is 928.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/F Other Procure Tactical and so	ment, Army /	1 /		P-1 Line It	tem Nomenclature KS, NON-TACTICA	e: AL (D15801)		Weapon System	Гуре:	Date: Febru	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
<b>Cost Elements</b>	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Ladder Truck Structural Pumper Airfield Crash Truck Brush/Mini Pumper HAZMAT/Rescue Truck	A A A A				4674 5900 3689 1153 407	8 26 8 8 8 2	585 227 462 145 204				586 456 463 146 206	2 1 1	586 228 463 146 206
Total					15823						1857		

Exhibit P-5a, Budget Procur	rement History and Planning							Date:	February 2	002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support v	vehicles	Weapon Systo	ет Туре:			em Nomeno , NON-TACTIC				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Ladder Truck										
FY 2001 FY 2003 Structural Pumper	See Remarks TBS	MIPR/FP MIPR/FP	GSA GSA	FEB 01 JAN 03	JUL 01 AUG 03	8 1	585 586	Yes Yes	NA NA	
FY 2001 FY 2003 Airfield Crash Truck	See Remarks TBS	MIPR/FP MIPR/FP	GSA GSA	FEB 01 JAN 03	MAR 01 AUG 03	26 2	227 228	Yes Yes	NA NA	
FY 2001 FY 2003 Brush/Mini Pumper	See Remarks TBS	MIPR/FP MIPR/FP	GSA GSA	FEB 01 JAN 03	OCT 01 SEP 03	8 1	462 463	Yes Yes	NA NA	
FY 2001 FY 2003 HAZMAT/Rescue Truck	See Remarks TBS	MIPR/FP MIPR/FP	GSA GSA	FEB 01 JAN 03	AUG 01 SEP 03	8 1	145 146	Yes Yes	NA NA	
FY 2001	Emergency One Ocala, FL	MIPR/FP	GSA	JAN 01	NOV 01	2	204	Yes	NA	
FY 2003	TBS	MIPR/FP	GSA	JAN 03	SEP 03	1	206	Yes	NA	

REMARKS: FY 01 contractors are as follows:

<sup>1.</sup> Ladder Trucks: Emergency One (Ocala, FL) and Pierce Manufacturing (Appleton, WI).
2. Structural Pumpers: Emergency One, Pierce Manufacturing, and Albert Ziegler GMBH & CO KG (Germany).
3. Airfield Crash Trucks: Emergency One, Oshkosh Truck Corp (Oshkosh, WI), and Albert Ziegler GMBH & CO KG.

<sup>4.</sup> Brush/Mini Pumpers: Emergency One, Becker Fire Equipment (Casper, WY), Kovatch Corp (Nesquehoning, PA).

	FY 01 / 02 BUDGET PRO	DUCTIO	N SCI	HEDUL	E			Item N ETRU				CTICA	AL (D	15801	1)								Date:			Fet	ruary	2002			
											Fis	scal Y	Year (	01									F	iscal	Year	02					
			S	PROC	ACCEP	BAL				Ц,				Cale	endar	· Yea	r 01						_		Caler	dar	Year	02			L A
	COST ELEMENTS  M F R		S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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	T E R
Str	uctural Pumper									Н	$\dashv$				$\dashv$											H		H	$\vdash$		
	1	FY 01	A	11	0	11					A	4		1	3				2								1				0
	3	FY 01	A	6	0	6									A									(	5						0
	2	FY 01	A	9	0	9					Α							3	5								1				0
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										П																		Г			
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То	tal			26		26				П		4		1	3			3	7					(	5		2	Н			
							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	P	M A Y		J U L		Е	
M		P	RODUCT	ION RATES			М	IFR						ADM	IINLE	AD T	IME			MFR			TOTA	L	R	EMAl	RKS				
F						REACHED	Nu	mber					Pr	ior 1 O	ct	Ai	fter 1 C	Oct	Ai	fter 1 (	Oct	Α	After 1	Oct							GSA's
R	NAME/LOCATION	MIN.		1-8-5	MAX.	D+			INIT	TAL				0			4			1			5						ıles.		ction Admin
1	Emergency One, Ocala, FL	2.00		4.00	11.00	0		1	REO	RDER				0			0			0			0		lea	ıdtim	e aver	ages :	30 day	s for	MIIIIII
2	Pierce Manufacturing, Appleton, WI	2.00		4.00	6.00	0		2	INIT	TAL				0			8			8			16		de	livery	orde	r plac	ement		
3	Albert Ziegler GMBH & CO KG, Giengen, Germany	2.00		4.00	6.00	0		-	REO	RDER				0			0			0			0								
								3	INIT	TAL				0			4			6			10								
Ш									REO	RDER				0			0			0			0								
Ш									INIT	TAL															1						
Ш										RDER															4						
Ш									INIT																4						
									REO	RDER																					

Ext	nibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	F	February 2002		
Appropriation/Budget Ac Other Procurement, Army /1/		rehicles				P-1 Item Nom TRU		GHTING, TAC	TICAL (D158	02)		
Program Elements for Co	de B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty			4	3	10	32	29	34	17			129
Gross Cost			2.6	1.8	9.0	19.2	18.3	21.4	11.8	4.7		88.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			2.6	1.8	9.0	19.2	18.3	21.4	11.8	4.7		88.7
Initial Spares												
Total Proc Cost		·	2.6	1.8	9.0	19.2	18.3	21.4	11.8	4.7		88.7
Flyaway U/C												
Wpn Sys Proc U/C												

The multi-purpose Tactical Fire Fighting Truck (TFFT) is issued to Army tactical engineer units and is primarily used to fight aircraft and brush fires and at ammunition storage areas in theater. The new TFFT will have a six-man cab in order to carry an entire fire fighting team, which the current truck cannot. The new tactical vehicle will have a minimum of a 1,000-gallon capacity, and it will have all-wheel drive, which is essential for cross-country mobility. The TFFT is part of the Tactical Fire-Fighting Team concept, which consists of the TFFT, two 2,000-gallon Water Distribution Modules, a Heavy Expanded Mobility Tactical Truck (HEMTT)-Load Handling System (LHS), and a Palletized Load System (PLS) trailer. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

#### Justification:

FY03 procures the TFFT for National Guard and Army Reserve Tactical Fire Fighting Teams. The new TFFT replaces old commercial fire trucks, which did not meet tactical or fire fighting standards. The tactical fire-fighting mission requires a significant off-road capability, which is obtained through the use of the combat-proven HEMTT chassis. The fire trucks currently fielded are unreliable and overage, and do not meet user needs or National Fire Protection Agency Standards. The TFFT Army Acquisition Objective (AAO) is 147.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/F Other Procure Tactical and s	ment, Army /	1 /			tem Nomenclature REFIGHTING, TAC			Weapon System	Гуре:	Date: Februa	nry 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Vehicle Firefighting Equipment HEMTT Chassis FRET	B A				1022 312	3	341 104	5232 1656	15 15			32	357 190 727
SubTotal					1334			6888			18195		
<ol> <li>ECPs</li> <li>Testing</li> <li>System Fielding Support</li> <li>Engineering Support</li> <li>Quality Assurance Support</li> <li>PM Support</li> </ol>					40 169 14 62 38 95			207 1489 79 62 83 154			524 164 64 85 158		
Total					1752			8962			19190		

Exhibit P-5a, Budget Procuremen	nt History and Planning							Date:	February 2	002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support vehicles		Weapon Syst	ет Туре:		P-1 Line It		lature: CTICAL (D15802)			
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issi Date
Firefighting Equipment										
FY 2001	Pierce Manufacturing Inc. Appleton, WI	SS/DLA	DLA, Philadelphia, PA	Sep 01	Aug 02	3	341	Yes	N/A	
FY 2002	Pierce Manufacturing Inc. Appleton, WI	SS/DLA	DLA, Philadelphia, PA	Feb 02	Oct 02	15	349	Yes	N/A	
FY 2003	Pierce Manufacturing Inc. Appleton, WI	SS/DLA	DLA, Philadelphia, PA	Jan 03	Sep 03	32	357	Yes	N/A	
HEMTT Chassis										
FY 2001	Oshkosh Truck Corp Oshkosh, WI	SS/REQ/1	TACOM, Warren, MI	Sep 01	Jul 02	3	104	Yes	N/A	
FY 2002	Oshkosh Truck Corp Oshkosh, WI	SS/REQ/2	TACOM, Warren, MI	Feb 02	Sep 02	15	111	Yes	N/A	
FY 2003	Oshkosh Truck Corp Oshkosh, WI	SS/REQ/3	TACOM, Warren, MI	Feb 03	Sep 03	32	190	Yes	N/A	

Γ	FY 01 / 02 BUDGET PRO	)D	UCTION	SCH	[EDUL]	E			Item N ICK, F				, TAC	CTIC A	AL (D	15802	2)							Date:			Feb	ruary	2002			
													scal Y											F	iscal	Year	02					
				g	PROC	ACCEP	RAI								Calo	endar	r Yea	r 01								Calen	dar Y	Zear 0	)2			L A
	COST ELEMENTS  H F	F	FY	S E R V	QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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	A T E R
Fi	refighting Equipment	┪																														
	1	1	FY 01	A	3	0	3												A											3		0
	1	1	FY 02	A	15	0	15																	Α	1							15
	1	1	FY 03	A	32	0	32																									32
HI	EMTT Chassis																															
	2	2	FY 01	A	3	0	3												A										1		1	1
	2	2	FY 02	A	15	0	15																	Α	1						2	13
	2	2	FY 03	A	32	0	32																									32
		П																											Г			
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To	otal	┪			100		100																						1	. 3	3	93
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M			PRO	ODUCTI	ON RATES			М	FR						ADM	ЛINLЕ	EAD T	IME			MFR			TOTA	L		EMAR					
F		- [					REACHED	Nuı	nber					Pr	ior 1 O	oct	A	fter 1 (	Oct	A	fter 1 (	Oct	A	fter 1	Oct	HE	MTT	chass	sis are	prod	uced	on a
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		,	INIT	TAL				0			11			10			21		fle	kible	assem	bly li	ne.		
1	Pierce Manufacturing Inc., Appleton, WI		1.00		5.00	10.00	12		1	REO	RDER				0			4			7			11								
2	Oshkosh Truck Corp, Oshkosh, WI	_	1.00		25.00	45.00	12		2	INIT	TAL				0			11			9			20		1						
_		_									RDER				0			4			6			10		1						
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	FY 03 / 04 BUDGET PI	ROD	UCTION	SCH	IEDUL:	E			Item N ICK, F				TAC	TICA	AL (D1	15802	<u>?</u> )							Date:	:		F	ebru	ıary 2	:002			
												Fis	scal Y	'ear (	)3									]	Fiscal	l Ye	ar 04	ļ					
				S	PROC	ACCEP	BAL						_	_	Cale	endar	Year	r 03							_	Cal	lenda	r Ye	ear 04	1			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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 I P R	M A Y	J U N	J U L	A U G	S E P	T E R
Fi	refighting Equipment																																
		1	FY 01	A	3	3	0																										0
		1	FY 02	A	15	0	15	2	2	2	2	2	2	1	1	1																	0
		1	FY 03	A	32	0	32				Α								5	5	5	5 5	: :	5 :	5	2	$\bot$		_				0
HI	EMTT Chassis																									┸	$\perp$						
		2	FY 01	A	3	2	1		1				_												┸	┸			_				0
L		2	FY 02	A	15	2	13	2	2	2	2	2	1	1	1										┸	_	4	_	_				0
L		2	FY 03	A	32	0	32		Ш			A	_						5	5	5	5 5		5	5	2	4	_	_				0
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L									Ш				_													_	4	_	_				
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L									Ш				_		_											_	4	_	_				
L									Ш				_												_	_	4	_	_				
To	otal				100	7	93	4	5	4	4	4	3	2	2	1			10	10	10	) 10	10	0 1	0	4	_		_				
								O C T	N O V	D E C		F E B		A P R	Α	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	Α		Ρ.	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR	<b>t</b>		TOTA	AL	Т	REM	IARK	S				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Af	ter 1 C	Oct	A	fter 1	Oct	A	After 1	Oct								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		, 🗔	INIT					0			11			10			21		1							
1	Pierce Manufacturing Inc., Appleton, WI		1.00		5.00	10.00	12		1	REO	RDER				0			4			7			11		4							
2	Oshkosh Truck Corp, Oshkosh, WI		1.00		25.00	45.00	12	:	2	INIT			_		0			11		_	9			20		4							
┕											RDER				0			4			6			10		4							
⊢									Ļ	INIT			_							_						4							
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										REO	RDER																						

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Da	ite:	F	February 2002		
Appropriation/Budget Act Other Procurement, Army /1/T		vehicles				P-1 Item Nom FAN		AVY TACTICA	AL VEHICLES	S (FHTV) (D <i>l</i>	(0500)	
Program Elements for Cod	e B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	3672.6	194.7	193.4	206.2	161.5	242.8	118.5	98.3	104.8	217.8		5210.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	3672.6	194.7	193.4	206.2	161.5	242.8	118.5	98.3	104.8	217.8		5210.4
Initial Spares	0.9											0.9
Total Proc Cost	3673.5	194.7	193.4	206.2	161.5	242.8	118.5	98.3	104.8	217.8		5211.3
Flyaway U/C												
Wpn Sys Proc U/C												

Funding for the Family of Heavy Tactical Wheeled Vehicles are used in line haul, local haul, unit resupply and other missions throughout the tactical environment to support modern and highly mobile combat units. Systems include the Palletized Load System (PLS) and its companion trailers, flat racks (Container Roll-in/Out Platform (CROP)), the CROP Roller Platform for Air Deployment (RPAD) and CROP Aircraft Interface Kit (CAIK) for the BCT, Container Handling Units (CHU), and the Movement Tracking System (MTS). Other trucks included in this family are: the Heavy Equipment Transporter System (HETS) and the Heavy Expanded Mobility Tactical Truck (HEMTT). The FHTV line also includes the Driver Training Simulator and the Forward Repair System (FRS), which is a mobile maintenance platform that mounts on a PLS or HEMTT. These systems support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### Justification:

FY03 Family of Heavy Tactical Vehicles (FHTV) funding procures PLS equipment, which includes PLS Trucks and Trailers, CROP, CHU, PLS-E, and Driver Training Simulators; HEMTT Tankers, Wreckers, Cargoes, and Tractors; HET Systems, and Forward Repair Systems to the Digitized Divisions, Patriot Units, Combat Engineers, and to National Guard and Army Reserve Units.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/E Other Procure Tactical and su	ment, Army /	1 /			tem Nomenclature F HEAVY TACTICA			Weapon System 1	Гуре:	Date: Februa	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Family of Heavy Tactical Vehicles													
FHTV (DA0500) PALLETIZED LOAD SYSTEM(D16500)													
PLS Truck (D16500)	Α				28878	64	452	32512	89	366	23334	64	365
PLS Trailer (D08900)	A				10682	222	49	6047	129	47	24998		48
Driver Training Simulator and Related De	В										9709	21	463
Cargo Bed (Flatrack)(D16100)	Α				17026	1799	10	999	97	11	11895	1116	11
Container Handling Unit (D16101)	A				1020	47	22	1258	55	23	1810		24
Movement Tracking System (MTS)(D16103)	A				17717	1026	18	21375	1494	15	34267	2324	15
HEMTT, ALL BODY TYPES(D16204) Truck, Tank, Fuel Svc,(D16202)	Α				21107	59	358	13371	44	304	41779	139	301
Truck, Recovery, 10T, 8x8 (D16203)	A				25181	64	394	14294	40	358	34183	93	368
Truck, Cargo, 10T, 8x8 (D16204)	A				23101	Ů.	37.	1763	5	353	11974	44	273
Truck, Tractor, 10T, 8x8 (D16205)	Α							10221	45	228	8211	36	229
Heavy Equipment Transporter System	Α				67655	119	569	44958	80	562			
(HETS) (DV0012)													
Forward Repair System (D16400)	Α				16897	48	353	14705	32	460	40608	74	549
Total					206163			161503			242768		
											_ 1_ 1 30		

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Da	nte:	F	ebruary 2002		
Appropriation/Budget Act Other Procurement, Army /1/1		vehicles				P-1 Item Nom TRU		), 57000 GVW,	8X8 (D16204	)		
Program Elements for Coc	le B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	7613	162	141	123	134	312	149	136	135	420		9325
Gross Cost	1285.9	47.0	40.4	46.3	39.6	96.1	48.6	47.4	47.8	144.1		1843.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1285.9	47.0	40.4	46.3	39.6	96.1	48.6	47.4	47.8	144.1		1843.3
Initial Spares												
Total Proc Cost	1285.9	47.0	40.4	46.3	39.6	96.1	48.6	47.4	47.8	144.1		1843.3
Flyaway U/C												
Wpn Sys Proc U/C												

Funds the Heavy Expanded Mobility Tactical Truck (HEMTT) 10-ton, 8-wheel drive truck in all body styles, including two cargo configurations, a wrecker, tanker and tractor. The HEMTT transports ammunition, petroleum, oils and lubricants and is used as the prime mover for certain missile systems. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### **Justification:**

FY03 procures 139ea HEMTT M978 Tanker, 93ea HEMTT M984A1 Wrecker, 36ea M983 Tractor, and 44ea M985 HEMTT Cargo to modernize the Counter Attack Corps, fill shortages in the National Guard Bureau (NGB) and Reserve, meet MLRS Conversion requirements, and fill shortages in Patriot units. The M984A1 wrecker is the recovery vehicle for other wheeled support and combat vehicle systems and is the only recovery vehicle in the Interim Brigade Combat Team (IBCT). The M978 Tanker is a 2500-Gallon Fuel Transporter and is a key CSS enabler in the IBCT and Digitized Divisions. The M985 HEMTT Cargo is the ammunition transport prime mover for the Multiple-Launch Rocket System (MLRS) pods and the M983 Tractor is prime mover for the Patriot Missile System. Army Acquisition Objective for HEMTT Fleet is 13,657.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/E Other Procurer Tactical and su	ment, Army /	1 /			tem Nomenclature ARGO, 57000 GVW			Weapon System	Гуре:	Date: Febru	ary 2002
	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	_	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Hardware - HEMTT All Body Types Tanker M978 (D16202) Wrecker M984A1 (D16203) Cargo M985 (D16204) Tractor M983 (D16205)					13191 17571	59 64	224 275	10618 11633 1433 7992	44 40 5 45	291 287	35216 28976 10091 6804	93 44	254 312 230 189
Subtotal					30762			31676			81087		
<ul> <li>2.FRET</li> <li>3. Engineering Changes</li> <li>4. Government Testing - ATC</li> <li>5. Documentation</li> <li>6. Engineering Support Government</li> <li>7. Quality Assuranc Support - Government</li> <li>8. Special Tools</li> <li>9. System Fielding Support</li> <li>10. PM Support</li> </ul>					3692 807 246 2600 656 337 131 5612 1445			3801 1050 950 125 452 244 210 385 756			9730 2433 290 125 458 247 200 810 767		
Total					46288			39649			96147		

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support v	vehicles	Weapon Syster	n Type:			em Nomenc GO, 57000 GVW	elature: v, 8X8 (D16204)			
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Tanker M978 (D16202)										
FY 2001	Oshkosh Truck Corp Oshkosh, WI	SS/REQ/PY1	TACOM, Warren, MI	MAR 01	AUG 01	59	224	YES	N/A	N/A
FY 2002	Oshkosh Truck Corp Oshkosh, WI	SS/REQ/PY2	TACOM, Warren, MI	FEB 02	AUG 02	44	242	YES	N/A	N/A
FY 2003	Oshkosh Truck Corp Oshkosh, WI	SS/REQ/PY3	TACOM, Warren, MI	JAN 03	AUG 03	139	254	YES	N/A	N/A
Wrecker M984A1 (D16203)										
FY 2000	Oshkosh Truck Corp Oshkosh, WI	FFP/OPTION	TACOM, Warren, MI	FEB 00	JUN 00	73	276	YES	N/A	N/A
FY 2000	Oshkosh Truck Corp Oshkosh, WI	FFP/OPTION	TACOM, Warren, MI	AUG 00	FEB 01	3	276	YES	N/A	N/A
FY 2001	Oshkosh Truck Corp Oshkosh, WI	SS/REQ/PY1	TACOM, Warren, MI	MAR 01	AUG 01	64	275	YES	N/A	N/A
FY 2002	Oshkosh Truck Corp Oshkosh, WI	SS/REQ/PY2	TACOM, Warren, MI	FEB 02	AUG 02	40	291	YES	N/A	N/A
FY 2003	Oshkosh Truck Corp Oshkosh, WI	SS/REQ/PY3	TACOM, Warren, MI	JAN 03	AUG 03	93	312	YES	N/A	N/A
Cargo M985 (D16204)										
FY 2000	Oshkosh Truck Corp Oshkosh, WI	FFP/OPTION	TACOM, Warren, MI	JAN 00	MAY 00	65	190	YES	N/A	N/A
FY 2002	Oshkosh Truck Corp Oshkosh, WI	SS/REQ/PY2	TACOM, Warren, MI	FEB 02	AUG 02	5	287	YES	N/A	N/A
FY 2003	Oshkosh Truck Corp Oshkosh, WI	SS/REQ/PY3	TACOM, Warren, MI	JAN 03	AUG 03	44	230	YES	N/A	N/A
Tractor M983 (D16205)										

Exhibit P-5a, Budget Procur	ement History and Planning							Date: F	ebruary 20	002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support v	ehicles	Weapon Syste	т Туре:			em Nomenc GO, 57000 GVW	elature: /, 8X8 (D16204)			
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2002	Oshkosh Truck Corp Oshkosh, WI	SS/REQ/PY2	TACOM, Warren, MI	FEB 02	AUG 02	45	178	YES	N/A	N/A
FY 2003	Oshkosh Truck Corp Oshkosh, WI	SS/REQ/PY3	TACOM, Warren, MI	JAN 03	AUG 03	36	189	YES	N/A	N/A
REMARKS:	•	·		·						

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Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Da	ite:	F	February 2002		
Appropriation/Budget Act Other Procurement, Army /1/		vehicles				P-1 Item Nom FOR		AIR SYSTEM	(FRS) (D1640	0)		
Program Elements for Coo	de B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty			28	48	32	74	35	31	37	33		318
Gross Cost			10.4	16.9	14.7	40.6	17.7	15.7	19.9	23.0		158.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			10.4	16.9	14.7	40.6	17.7	15.7	19.9	23.0		158.9
Initial Spares												
Total Proc Cost			10.4	16.9	14.7	40.6	17.7	15.7	19.9	23.0		158.9
Flyaway U/C												
Wpn Sys Proc U/C												

This is an Army Warfighter Rapid Acquisition Program (WRAP). The Forward Repair System (FRS) is a high-mobility, forward maintenance system that reduces repair cycle-time. By integrating already proven systems and the prime mover, the FRS places in one package proven tools, test equipment, and heavy lift capability to support forces in the forward battle area. The FRS includes the prime mover as well as a maintenance enclosure with 35KW generator, 5.5-ton capacity crane, welding equipment, industrial-quality power air and hand tools, air compressor, tool cabinets, and accepts as a host platform Force XXI Battle Command Battalion/Brigade and Below (FBCB2) and Movement Tracking System (MTS) connectivity. The FRS will free the M88 recovery vehicle from its present captive role as a repair vehicle, which means increased availability of M88 recovery vehicles for recovery missions. The FRS will replace M113 tracked systems currently performing this mission, yielding a 90% reduction in repair parts costs as well as enhanced battlefield capability with demonstrated reductions in repair cycle time (RCT) of 35-50%. The FRS meets maneuver commander's need for a repair system that is responsive, effective, and reduces the number of systems requiring evacuation. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### Justification:

FY03 program buys 74 FRS systems for the Counter Attack Corps. The FRS is a must have enabler for both the Digitized Divisions and the Interim Brigade Combat Teams. FRS Army Acquisition Objective (AAO) is 567.

Exhibit P-5, Weapon OPA1 Cost Analysis	Appropriation/F Other Procure Tactical and su	ment, Army /	1 /			tem Nomenclature REPAIR SYSTEM			Weapon System	Гуре:	Date: Februa	ary 2002
OPA1 ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Vehicle Forward Repair System (D16400) A PLS Truck A				10691 5442	48 19	223 287	8529 4816	32 16	267 301	20113 18597	74 62	272 300
SubTotal				16133			13345			38710		
ECPs     Government Testing				100			416			730		
System Fielding Support     Special Tools				278 44			540 23			811 52		
6. Documentation 7. Engineering Support				70 100			110 62			50 64		
8. Quality Assurance Support				20			21			21		
9. Program Management Support				152			188			170		
Total				16897			14705			40608		

Exhibit P-5a, Budget Procure	ement History and Planning							Date: F	ebruary 2	:002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support ve	hicles	Weapon Syste	m Type:			em Nomenc EPAIR SYSTEM	lature: (FRS) (D16400)			
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issi Date
Forward Repair System (D16400)										
FY 2000	Rock Island Arsenal Rock Island, IL	FFP	TACOM, Warren, MI	Dec 99	Aug 00	23	228	Yes		
FY 2000	Rock Island Arsenal Rock Island, IL	FFP	TACOM, Warren, MI	Aug 00	Nov 00	5	228	Yes		
FY 2001	Rock Island Arsenal Rock Island, IL	FFP	TACOM, Warren, MI	Dec 00	Jun 01	16	223	Yes		
FY 2001	Rock Island Arsenal Rock Island, IL	FFP	TACOM, Warren, MI	Feb 01	Aug 01	15	223	Yes		
FY 2001	Rock Island Arsenal Rock Island, IL	FFP	TACOM, Warren, MI	Mar 01	Aug 01	13	223	Yes		
FY 2001	Rock Island Arsenal Rock Island, IL	FFP	TACOM, Warren, MI	Sept 01	Mar 02	2	223	Yes		
FY 2001	Rock Island Arsenal Rock Island, IL	FFP	TACOM, Warren, MI	Nov 01	May 02	2	223	Yes		
FY 2002	Rock Island Arsenal Rock Island, IL	FFP	TACOM, Warren, MI	Feb 02	Aug 02	32	267	Yes		
FY 2003	Rock Island Arsenal Rock Island, IL	FFP	TACOM, Warren, MI	Dec 02	Jun 03	74	272	Yes		
PLS Truck	,									
FY 2000	Oshkosh Truck Corp. Oshkosh, WI	FFP/Option	TACOM, Warren, MI	Jan 00	Aug 00	11	272	Yes		
FY 2001	Oshkosh Truck Corp. Oshkosh, WI	SS/REQ/PY1	TACOM, Warren, MI	Mar 01	Aug 01	19	287	Yes		
FY 2002	Oshkosh Truck Corp. Oshkosh, WI	SS/REQ/PY2	TACOM, Warren, MI	Feb 02	Sep 02	16	301	Yes		
FY 2003	Oshkosh Truck Corp. Oshkosh, WI	SS/REQ/PY3	TACOM, Warren, MI	Jan 03	Aug 03	62	300	Yes		

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Exh	nibit P-40	, Budge	t Item J	ustifica	tion She	eet	Da	nte:	I	February 2002		
Appropriation/Budget Act Other Procurement, Army /1/		rehicles				P-1 Item Nom TRU		ΓIZED LOAD :	SYSTEM (PL	S), 10X10 (D1	.6500)	
Program Elements for Co	de B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	1249.5	54.6	51.8	75.3	62.2	106.0	52.2	35.2	37.1	50.8		1774.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1249.5	54.6	51.8	75.3	62.2	106.0	52.2	35.2	37.1	50.8		1774.6
Initial Spares	0.9											0.9
Total Proc Cost	1250.4	54.6	51.8	75.3	62.2	106.0	52.2	35.2	37.1	50.8		1775.5
Flyaway U/C												
Wpn Sys Proc U/C												

The Palletized Load System (PLS) is the primary component of the Modular Ammunition Company Concept and is interoperable with the comparable British, German and French systems, through the use of a common flatrack. The PLS consists of a 16.5-ton payload prime mover (10x10) with an integral load-handling system, which provides self-loading and unloading capability; a 16.5-ton payload trailer; and demountable cargo beds, or flatracks. The Container Handling Unit (CHU) is being fielded to transportation and ammunition units and to forward support battalions, providing the capability to pick up and transport 20-foot International Standards Organization (ISO) containers without the use of a flatrack. The Movement Tracking System (MTS) program provides a multitude of tactical wheeled vehicles (PLS, Heavy Expanded Mobility Tactical Truck, Family of Medium Tactical Vehicles, etc.) with Global Positioning System (GPS) capability and two-way digital messaging. The Driver Training Simulator program supports Heavy and Medium Tactical Vehicle fleet training requirements at the Ft Leonard Wood, MO training base and at posts worldwide. The PLS Truck performs line haul, local haul, unit resupply and other missions in the tactical environment to support modern and highly mobile combat units and is equipped with a central tire inflation system (CTIS) which significantly improves off-road mobility. Current flatrack funding buys the Container Roll-in/out Platform (CROP), an A-frame type flatrack, which fits inside a 20-foot ISO inter-modal container. FY01 funded the acquisition of the Roller Platform for Air Deployment (RPAD) Kit and CROP Aircraft Interface Kit (CAIK), which speed the loading/unloading of CROPS onto USAF aircraft in support of Brigade Combat Team (BCT) requirements. Quantities noted above are for truck prime mover only. Army Acquisition Objectives (AAO) for PLS equipment are as follows: PLS Truck - 4,763, PLS Trailer - 3,824, Flatracks - 59,962, Container Handling Unit - 1,869, MTS - 35,702, Driver Trainers - 78.

#### Justification:

FY03 procures Driver Trainers for the training base; and PLS Truck, Trailer, CROP, CHU, flatracks, and MTS for the Combat Engineers (PLS Truck and Trailer only), Digitized Divisions, and National Guard and Army Reserve units. The PLS Trailer, CROP, CHU, and MTS are key enablers for both the IBCT and Digitized Divisions.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/F Other Procure Tactical and so	ment, Army /	1 /			tem Nomenclature ALLETIZED LOAD 5500)			Weapon System	Гуре:	Date: Februa	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Hardware PLS Truck (D16500) PLS Trailer (D08900) Cargo Bed, Demountable (D16100) CROP RPAD Kit (D16100) CROP CAI Kit (D16100) Driver Training Simulator (D16505)					18263 9331 12756 1360 1600	64 222 1732 74 98	286 43 8 19 17	26759 5681 873	89 129 97	45	23526 10377 6741	521	300 46 10
PLS Container Handling Unit (D16101) Movement Tracking System (D16103)					893 17717	47 1026	19 18	1008 21375	55 1494			76 2324	20 15
Subtotal					61920			55696			95598		
<ol> <li>Engineering Changes</li> <li>Government Testing - ATC</li> <li>Documentation</li> <li>Engineering Support - Government</li> <li>Quality Assurance Supt- Government</li> <li>Special Tools</li> <li>System Fielding Support</li> <li>PM Support</li> </ol>					2850 1650 2133 855 502 3682 1731			1229 707 780 479 393 100 1265 1542			2373 895 335 730 442 100 3890 1650		
Total					75323			62191			106013		

Exhibit P-5a, Budget Procureme	ent History and Planning							Date: F	ebruary 2	:002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support vehicles		Weapon Syste	m Type:			em Nomenc ETIZED LOAD	elature: O SYSTEM (PLS), 102	X10 (D16500	))	
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
PLS Truck (D16500)										
FY 2000	Oshkosh Truck Corp. (OTC) Oshkosh, WI	FFP/Option	TACOM, Warren, MI	Jan 00	May 00	101	273	Yes		
FY 2000	Oshkosh Truck Corp. (OTC) Oshkosh, WI	FFP/Option	TACOM, Warren, MI	Sep 00	May 01	14	273	Yes		
FY 2001	Oshkosh Truck Corp. (OTC) Oshkosh, WI	SS/REQ/PY1	TACOM, Warren, MI	Mar 01	Aug 01	64	286	Yes		
FY 2002	Oshkosh Truck Corp. (OTC) Oshkosh, WI	SS/REQ/PY2	TACOM, Warren, MI	Feb 02	Aug 02	89	301	Yes		
FY 2003	Oshkosh Truck Corp. (OTC) Oshkosh, WI	SS/REQ/PY3	TACOM, Warren, MI	Jan 03	Aug 03	64	300	Yes		
PLS Trailer (D08900)										
FY 2000	Oshkosh Truck Corp. (OTC) Oshkosh, WI	FFP/Option	TACOM, Warren, MI	Jan 00	Aug 00	125	47	Yes		
FY 2000	Oshkosh Truck Corp. (OTC) Oshkosh, WI	FFP/Option	TACOM, Warren, MI	Sep 00	Mar 01	37	47	Yes		
FY 2001	Oshkosh Truck Corp. (OTC) Oshkosh, WI	FFP/Option	TACOM, Warren, MI	Jan 01	Aug 01	47	42	Yes		
FY 2001	Oshkosh Truck Corp. (OTC) Oshkosh, WI	SS/REQ/PY1	TACOM, Warren, MI	Mar 01	Oct 01	175	42	Yes		
FY 2002	Oshkosh Truck Corp. (OTC) Oshkosh, WI	SS/REQ/PY2	TACOM, Warren, MI	Feb 02	Aug 02	129	45	Yes		
FY 2003	Oshkosh Truck Corp. (OTC) Oshkosh, WI	SS/REQ/PY3	TACOM, Warren, MI	Jan 03	Aug 03	521	46	Yes		
Cargo Bed, Demountable (D16100)	, in the second									
FY 2001	Summa Technologies Huntsville, AL	FFP/Option	TACOM, Warren, MI	Nov 00	May 01	1114	8	Yes		

Exhibit P-5a, Budget Procuremen	nt History and Planning							Date:	February 2	002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support vehicles		Weapon Syste	em Type:			em Nomeno LETIZED LOAI	elature: O SYSTEM (PLS), 10	X10 (D1650	0)	
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
FY 2001	Hyundai San Diego, CA	FFP/Option	TACOM, Warren, MI	Nov 00	May 01	618	7	Yes		
FY 2001	TBS - CROP	REQ/PY1	TACOM, Warren, MI	Jun 02	Nov 02	67	9	Yes		Feb 02
FY 2002	TBS - CROP	REQ/PY1	TACOM, Warren, MI	Jun 02	Nov 02	97	9	Yes		Feb 02
FY 2003	TBS - CROP	REQ/PY2	TACOM, Warren, MI	Jan 03	Jul 03	1116	10	Yes		
Driver Training Simulator (D16505)										
FY 2003		REQ/PY1	TACOM, Warren, MI	Feb 03	Aug 03	21	321	No	Aug 02	Sep 02
PLS Container Handling Unit (D16101)		·	, ,		J				J	1
FY 2000	Oshkosh Truck Corp. (OTC) Oshkosh, WI	FFP/Option	TACOM, Warren, MI	Jan 00	Aug 00	83	15	Yes		
FY 2001		REQ/PY1	TACOM, Warren, MI	Jun 02	Oct 02	47	19	Yes		Feb 02
FY 2002		REQ/PY1	TACOM, Warren, MI	Jun 02	Oct 02	55	19	Yes		Feb 02
FY 2003		REQ/PY2	TACOM, Warren, MI	Jan 03	Aug 03	76	20	Yes		
Movement Tracking System (D16103)										
FY 2000	Comtech Mobile Datacom Germantown, MD	REQ/PY2	CECOM, Washington, DC	Aug 00	Sep 00	413	17	Yes		
FY 2001	Comtech Mobile Datacom Germantown, MD	REQ/PY3	CECOM, Washington, DC	May 01	Sep 01	466	17	Yes		
FY 2001	Comtech Mobile Datacom Germantown, MD	REQ/PY3	CECOM, Washington, DC	July 01	May 02	78	17	Yes		

Exhibit P-5a, Budget Procu		Weapon Syste	em Type:		P-1 Line It		lature: SYSTEM (PLS), 10		ebruary 2	
VBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
FY 2001	Comtech Mobile Datacom	REQ/PY3	CECOM, Washington, DC	Sept 01	Nov 01	482	17	Yes		
FY 2002	Germantown, MD Comtech Mobile Datacom Germantown, MD	REQ/PY4	CECOM, Washington, DC	Feb 02	May 02	1494	15	Yes		
FY 2003	Comtech Mobile Datacom Germantown, MD	REQ/PY5	CECOM, Washington, DC	Dec 02	May 03	2324	15	Yes		
EMARKS:		·								

	FY 01 / 02 BUDGET I	PROE	OUCTION	SCE	IEDUL:	E			Item N JCK, P				OAD	SYS	ГЕМ (	(PLS)	, 10X	(10 (D	1650	00)				Date:			Fel	oruary	/ 2002	!		
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PL	S Truck (D16500)																							+		╁	+	+	t	+	+	
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PL	S Trailer (D08900)																						Г					$\top$	Т			J.
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4	Hyundai, San Diego, CA		75.00		630.00	800.00	12		3	INIT	ΓIAL				0			5			11			16		ue	nver	y SCIIC	auic.			
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4	Hyundai, San Diego, CA		75.00		630.00	800.00	12	2	,	INIT					0			5			11			16		de	livery	sche	dule.			
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										REO	RDER				0			3			6			9								

	FY 03 / 04 BUDGET PF	ROD	UCTION	SCE	IEDULI	E			Item N JCK, P				OAD	SYST	ГЕМ (	PLS)	, 10X	(10 (E	01650	00)				Date	e:			Febr	uary 2	2002			
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PL	.S Truck (D16500)																							+	+	+							
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3	Summa Technologies, Huntsville, AL		25.00		160.00	400.00	12				RDER				0			2			5			7		Ц							
4	Hyundai, San Diego, CA		75.00		630.00	800.00	12		3	INIT					0			5			11		_	16		4							
5	TBS - CROP		5.00		160.00	350.00	12				RDER				0			3			6			9		4							
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2	Comtech Mobile Datacom, Germantown, MD		10.00		100.00	240.00	12	2	,	INIT	TAL				0			20			5			25								
3	Summa Technologies, Huntsville, AL		25.00		160.00	400.00	12	4		REO	RDER				0			2			5			7								
4	Hyundai, San Diego, CA		75.00		630.00	800.00	12	3	3	INIT	TAL				0			5			11			16								
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Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	I	February 2002		
Appropriation/Budget Acti Other Procurement, Army /1/Ta		vehicles				P-1 Item Nom HEA		MENT TRANS	PORTER SYS	(DV0012)		
Program Elements for Code	e B Items:			Code: A	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	1778	192	173	119	80							2342
Gross Cost	512.8	89.7	86.8	67.7	45.0							801.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	512.8	89.7	86.8	67.7	45.0							801.9
Initial Spares												
Total Proc Cost	512.8	89.7	86.8	67.7	45.0							801.9
Flyaway U/C												
Wpn Sys Proc U/C												

The Heavy Equipment Transporter System (HETS) consists of the M1070 Truck Tractor and the M1000 Semi-trailer. Together, they form a system whose primary mission is to transport main battle tanks and other heavy equipment. The HETS continues to provide the only tactical transportation and evacuation support for the main battle tank and other heavy tracked combat vehicles. The M1070/M1000 HETS also has the capability to self-load and unload disabled tanks. Quantities shown above are Direct Army, and with additional Prior Years quantities bought and fielded for the Office of Chief, Army Reserve (OCAR) and National Guard Bureau (NGB), total HETS procured through FY02 will be 2,341 systems. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP). The FY02 procurement buys additional 3ea M1070 tractors the fleet balance following the transfer in FY99 of 22ea M1000 trailers from the USMC to Army inventory.

### Justification:

HETS production ends in FY02. The HETS Army Acquisition Objective (AAO) is 2,580.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/F Other Procure Tactical and so	Budget Activ ment, Army / apport vehicle	rity/Serial No. 1 / s		P-1 Line II HEAVY EQ	tem Nomenclature QUIPMENT TRANSI	e: PORTER SYS (DV0	012)	Weapon System	Гуре:	Date: Febru	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
System Hardware     M1070 Tractor     M1000 Trailer     FRET	A	\$000	Each	\$000	\$000 29679 26841 4189	Each 119 120	\$000 250 224	\$000 20972 17246 2516	Each 80 77	\$000 263 224	\$000	Each	\$000
SubTotal					60709			40734					
<ol> <li>ECPs</li> <li>Testing</li> <li>System Fielding Support</li> <li>Documentation</li> <li>Quality Assurance Support</li> <li>Program Management Support</li> </ol>					900 1276 1922 563 607 1678			1450 116 617 250 514 1277					
Total					67655			44958					

Contractor and Location  Oshkosh Truck Corp. Oshkosh, WI Oshkosh Truck Corp. Oshkosh, WI	Weapon Syster  Contract Method and Type  SS/REQ/PY1	Location of PCO	Award Date	P-1 Line It HEAVY EQUI Date of First Delivery		lature: SPORTER SYS (DV0) Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Oshkosh Truck Corp. Oshkosh, WI Oshkosh Truck Corp.	Method and Type		Award Date				Avail	Revsn	
Oshkosh, WI Oshkosh Truck Corp.	SS/REQ/PY1	TACOM Warren MI						Avaii	Date
Oshkosh, WI Oshkosh Truck Corp.	SS/REQ/PY1	TACOM Warran MI							
Oshkosh Truck Corp. Oshkosh WI		TACOM, Walten, MI	Mar 01	Aug 01	119	250	Yes	N/A	N/A
Julie 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SS/REQ/PY2	TACOM, Warren, MI	Feb 02	Aug 02	80	263	Yes	N/A	N/A
Systems & Electronics, Inc. St. Louis, MO	SS/FFP	TACOM, Warren, MI	Jan 01	Aug 01	120	224	Yes	N/A	N/A
Systems & Electronics, Inc. St. Louis, MO	OPTION	TACOM, Warren, MI	Feb 02	Aug 02	//	224	Y es	N/A	N/A
•	St. Louis, MO Systems & Electronics, Inc.	St. Louis, MO Systems & Electronics, Inc. OPTION	St. Louis, MO Systems & Electronics, Inc.  OPTION TACOM, Warren, MI	St. Louis, MO Systems & Electronics, Inc. OPTION TACOM, Warren, MI Feb 02	St. Louis, MO Systems & Electronics, Inc.  OPTION TACOM, Warren, MI Feb 02 Aug 02	St. Louis, MO Systems & Electronics, Inc.  OPTION TACOM, Warren, MI Feb 02 Aug 02 77	St. Louis, MO Systems & Electronics, Inc.  OPTION TACOM, Warren, MI Feb 02 Aug 02 77 224	St. Louis, MO Systems & Electronics, Inc.  OPTION TACOM, Warren, MI Feb 02 Aug 02 77 224 Yes	St. Louis, MO Systems & Electronics, Inc.  OPTION TACOM, Warren, MI Feb 02 Aug 02 77 224 Yes N/A

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		1	FY 02	A	80	0	80																									80
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M	1000 Trailer								Ш		Ш		_																			
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2	Systems & Electronics, Inc., St. Louis, MO		1.00		18.00	36.00	12	2	2	INIT		_	_		0			4			16			20		-						
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M	1070 Tractor									$\dashv$		$\dashv$				$\dashv$									+	+	+	$\dashv$	$\dashv$				
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M	1000 Trailer																									L							
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2	Systems & Electronics, Inc., St. Louis, MO		1.00		18.00	36.00	12	2	2	INIT		_			0			4		_	16			20		4							
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		vehicles						CURITY VEHIC	CLES (ASV) (I	D02800)				
Appropriation/Budget Activity/Serial No:   Other Procurement, Army /I/Tactical and support vehicles   Septial Yudin   Septia														
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog		
Proc Qty	24		10	21	24	20						99		
Gross Cost	18.9		8.0	14.8	17.9	14.4						74.0		
Less PY Adv Proc														
Plus CY Adv Proc														
Net Proc (P-1)	18.9		8.0	14.8	17.9	14.4						74.0		
Initial Spares														
Total Proc Cost	18.9		8.0	14.8	17.9	14.4						74.0		
Flyaway U/C														
Wpn Sys Proc U/C														

The Armored Security Vehicle (ASV) is an all-wheel drive armored vehicle that provides ballistic protection, overhead protection and protection against landmines. The ASV accepts the MK-19 Grenade Machine Gun, the M-2 .50 caliber machine gun and the M249 5.56 mm Squad Automatic Weapon (SAW) machine gun. The ASV is transportable by C-130 and larger aircraft, rail, and marine transport modes, and is capable of carrying a crew of four. The vehicle has a diesel engine, automatic transmission, central tire inflation system, and a payload of 3,360 lbs. Additional survivability enhancements include: gas particulate ventilated face pieces, a multi-salvo smoke grenade launcher, a crew/engine compartment fire suppression system, an intercom system with radio interface, transparent armor and blackout capability. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

#### Justification:

FY03 funding procures 20 Armored Security Vehicles. The ASV will be used by the Military Police (MP) to perform missions of security, battlefield circulation and law and order across the entire operational continuum. The MP units are under-protected for their doctrinal combat support mission. The ASV concept was approved in June 1987 under the Armored Family of Vehicles Operational and Organizational concept. The MPs will either conduct Force XXI missions in a warfighting environment or they will perform force protection and stabilization operations in a short of war contingency environment. The Army Acquisition Objective (AAO) is 1,943.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/F Other Procure Tactical and st	Budget Activ ment, Army / apport vehicle	vity/Serial No. 1 / s			tem Nomenclature SECURITY VEHIO		0)	Weapon System	Гуре:	Date: Februa	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Vehicle (D02800) Engineering Changes Kits - Night Vision Testing - Govt Documentation System Technical Support (STS) Engineering Spt (In-House) Fielding Support Project Management Support	A				12028 188 123 262 101 804 290 515 505	3	573 41	13743 225 1003 324 125 997 295 629 517	24		11456 183 847 218 104 382 299 429 520	20	573 43
Total					14816			17858			14438		

Exhibit P-5a, Budget Procure	ment History and Planning							Date: F	ebruary 2	:002
appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support veh	icles	Weapon Syste	em Type:		P-1 Line It		lature: CLES (ASV) (D0280	0)		
VBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Vehicle (D02800)										
FY 2001	Textron Marine & Land Systems New Orleans, LA	SSM-5(3)	TACOM, Warren, MI	Nov 00	Sep 01	20	573	Yes	N/A	N/A
FY 2001	Textron Marine & Land Systems New Orleans, LA	SS/Option	TACOM, Warren, MI	Jul 01	Jan 02	1	573	Yes	N/A	N/A
FY 2002	Textron Marine & Land Systems New Orleans, LA	SSM-5(4)	TACOM, Warren, MI	Jan 02	Jul 02	20	573	Yes	N/A	N/A
FY 2002	Textron Marine & Land Systems New Orleans, LA	SS/Option	TACOM, Warren, MI	Mar 02	Sep 02	4	573	Yes	N/A	N/A
FY 2003	Textron Marine & Land Systems New Orleans, LA	SSM-5(5)	TACOM, Warren, MI	Nov 02	May 03	20	573	Yes	N/A	N/A

	FY 01 / 02 BUDGET P	ROL	OUCTION	SCE	IEDUL:	E			Item N MORE				'EHIC	CLES	(ASV	<sup>7</sup> ) (D0	2800	))						Date:	:		Fe	oruary	z 200:	2		
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F							REACHED	Nuı	mber					Pri	ior 1 O	ct	Af	fter 1 C	)ct	A	fter 1	Oct	A	After 1	Oct							
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M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	ΛL	1	REMA	ARKS	S				
F							REACHED	Nun	nber					Pri	or 1 O	ct	Af	ter 1 C	)ct	A	fter 1	Oct	Α	After 1	Oct								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				0			5			5			10									
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Ext	nibit P-40	, Budge	t Item J	ustifica	tion She	eet	D	ate:	F	February 2002		
Appropriation/Budget Ac Other Procurement, Army /1/		vehicles				P-1 Item Nom TRU		OR, LINE HAI	UL, M915/M9	16 (DA0600)		
Program Elements for Co	de B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty		440	356	391	303	314	390	213	176	175		2758
Gross Cost	343.0	64.9	46.3	51.5	47.2	50.8	59.3	34.6	28.8	29.1		755.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	343.0	64.9	46.3	51.5	47.2	50.8	59.3	34.6	28.8	29.1		755.4
Initial Spares	0.5											0.5
Total Proc Cost	343.5	64.9	46.3	51.5	47.2	50.8	59.3	34.6	28.8	29.1		755.9
Flyaway U/C												
Wpn Sys Proc U/C												

This is a roll of two tractors, Truck, Tractor Line Haul (M915) and the Truck, Tractor, Light Equipment Transporter (LET), (M916). These two tractors share common components, such as the cab, engine, and transmission, to form a family of vehicles. These systems support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### Justification:

The FY03 M915A3 funding is required to procure new vehicles for newly activated petroleum companies organized as a result of a Desert Storm deficiency. These new petroleum companies will add necessary fuel handling capability to support the modern battlefield. Without these new trucks, the petroleum units will be activated with new M1062 Semi-Trailer Tankers and no trucks to haul them and the previous deficiency to supply fuel to move forces will continue. Because the 18-20 year old M915 Truck Tractor is experiencing below the goal mission capable rates and is difficult and expensive to support due to its age, the new M915A3 Truck Tractor will significantly improve readiness by leveraging high production rate commercial truck technology.

In FY03, the M916A3 Truck Tractor will replace overage M916 Truck Tractors, which are 18-20 years old and experiencing below the goal mission capable rates.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/E Other Procure Tactical and s	ment, Army /	1 /			tem Nomenclature RACTOR, LINE HAI		A0600)	Weapon System	Гуре:	Date: Febru	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
<b>Cost Elements</b>	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Trk, Tractor, Line Haul, M915A3 (D15900) Truck, Tractor, LET, M916A3 (D19601)					51535		132		284 19	152 222	43028 7801	276	156
Total					51535			47177			50829		

Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	D	nte:	F	ebruary 2002	7.1 Complete Total Prog 631.2 7.1 631.2 0.2				
Appropriation/Budget Act Other Procurement, Army /1/1		vehicles				P-1 Item Nom TRU		OR, LINE HAI	JL, M915A2 (	D15900)					
Program Elements for Coc	le B Items:			Code: A	Other Relate	ed Program Ele	ements:								
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog			
Proc Qty	5417	440	356	391	284	276	295	118	116	115		7808			
Gross Cost	290.9	64.9	46.3	51.5	43.0	43.0	41.3	16.4	16.8	17.1		631.2			
Less PY Adv Proc															
Plus CY Adv Proc															
Net Proc (P-1)	290.9	64.9	46.3	51.5	43.0	43.0	41.3	16.4	16.8	17.1		631.2			
Initial Spares	0.2											0.2			
Total Proc Cost	291.1	64.9	46.3	51.5	43.0	43.0	41.3	16.4	16.8	17.1		631.4			
Flyaway U/C									February 2002  R, LINE HAUL, M915A2 (D15900)  FY 2005 FY 2006 FY 2007 To Complete Total Prog 118 116 115 7808 16.4 16.8 17.1 631.2  16.4 16.8 17.1 031.2						
Wpn Sys Proc U/C															

The M915A3 Line Haul Tractor is a Non-Developmental item found primarily in medium transportation companies and is a prime mover used to transport breakbulk, containers, and petroleum over primary and secondary roads. It is a 6x4 tractor with a 2-inch kingpin and 105,000 Gross Combination Vehicle Weight (GCVW) capacity. The M915A3 is transportable by highway, rail, marine, and air modes worldwide. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

# Justification:

FY03 funding of M915A3s will provide prime-mover capability to newly activated Petroleum Transportation Companies organized as a result of a Desert Storm deficiency and to provide vehicles to fill shortages in selected National Guard and Army Reserve units. Without these new trucks, the petroleum units will be activated with new M967A2 Tanker Trailers and no trucks to haul them and the previous deficiency to supply fuel to move forces will continue. Because the M915 Truck Tractor is experiencing below the goal mission capable rates and is difficult and expensive to support due to its age, the new M915A3 Truck Tractor will significantly improve readiness by leveraging high production rate commercial truck technology. The Army's Acquisition Objective is 6,956.

Exhibit P-5, Weapon OPA1 Cost Analysis	Appropriation/l Other Procure Tactical and s	ment, Army /	1 /			tem Nomenclature RACTOR, LINE HA	e: UL, M915A2 (D1590		Weapon System	Гуре:	Date: Februa	ary 2002
OPA1 ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware - M916A2 Documentation Testing - Follow On Test Engineering - In House QA Support PM Support Engineering Change Proposals System Fielding Support Driver Simulator (ORD Requirement)				42891 4255 1917 200 100 450 122 1600	379 12	114	34364 3436 900 600 450 200 700 690 1623	284	121	34500 3795 500 500 475 200 700 758 1600		125
Total				51535			42963			43028		

Exhibit P-5a, Budget Procureme	nt History and Planning							Date:	ebruary 2	002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support vehicles		Weapon Syste	m Type:		P-1 Line It		lature: AUL, M915A2 (D159	100)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Hardware - M915A3										
FY 2001	Freightliner Corporation Portland, OR	CFP RQ5(2)	TACOM, Warren, MI	Dec 00	Jun 01	255	114	YES	N/A	
FY 2001	Freightliner Corporation Portland, OR	CFP RQ5(2B	TACOM, Warren, MI	Sep 01	Mar 02	115	114	YES	N/A	
FY 2001	Freightliner Corporation Portland, OR	CFP RQ5(2A	TACOM, Warren, MI	Jul 01	Jan 02	9	114	YES	N/A	
FY 2002	Freightliner Corporation Portland, OR	CFP RQ5(3)	TACOM, Warren, MI	Feb 02	Aug 02	284	121	YES	N/A	
FY 2003	Freightliner Corporation Portland, OR	CFP RQ5(4)	TACOM, Warren, MI	Dec 02	Jun 03	276	125	YES	N/A	
Hardware - M916A2										
FY 2001	Freightliner Corporation Portland, OR	Option/CFP	TACOM, Warren, MI	Dec 00	May 01	12	160	YES	N/A	

REMARKS:

	FY 00 / 01 BUDGET	PROD	OUCTION	SCF	HEDUL	E			Item N JCK, T				E HAI	UL, N	M915 <i>I</i>	42 (D	1590	0)						Date:			Feb	ruary	2002			
												Fi	scal Y	Year (	00									I	iscal	Year	01					
				S	PROC	ACCEP	BAL								Cal	endar	r Yea	r 00								Caler	dar Y	Year (	1			L A
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Har	rdware - M915A3	+																														
		1	FY 01	Α	9	0	9																						Α			9
		1	FY 01	A	255	0	255															А						37	37	37	37	107
		1	FY 01	A	115	0	115																								A	115
		1	FY 02	A	284	0	284																									284
		1	FY 03	A	276	0	276																									276
Har	rdware - M916A2																															
			FY 01	A	12	0	12															Α					12	2				0
																													Г			
																													Г			
																													Г			
Tot	tal				951		951																				12	37	37	37	37	791
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M			PR	ODUCT.	ION RATES			М	IFR						ADM	ЛINLЕ	EAD T	IME			MFR			TOTA	ιL	R	EMAF	KS				
F							REACHED	Nui	mber					Pr	ior 1 O	Oct	A	fter 1 (	Oct	A	fter 1	Oct	Α	After 1	Oct							n above
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	FY 02 / 03 BUDGET	PROD	OUCTION	SCH	IEDUL:	E			tem N CK, T				E HAU	JL, M	1915A	√2 (D]	15900	0)						Date:			Feb	ruary	2002			
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Hai	rdware - M915A3									$\dashv$						$\dashv$								$\vdash$	H	$\vdash$			Н			
		1	FY 01	A	9	0	9				9																					0
		1	FY 01	A	255	148	107	37	37	33																						0
		1	FY 01	A	115	0	115						20	20	20	20	20	15														0
		1	FY 02	A	284	0	284					Α						25	25	25	25	25	25	5 25	25	25	25	25	Ģ	)		0
		1	FY 03	A	276	0	276															Α						24	. 24	1 24	24	180
Haı	rdware - M916A2																															
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M			PR	ODUCTI	ION RATES			MI	FR						ADM	IINLE	AD T	IME			MFR			ТОТА	L	R	ЕМАБ	RKS				
F							REACHED	Nun	nber					Pri	or 1 Oc	ct	Af	ter 1 O	ct	Af	ter 1 (	Oct	Α	fter 1	Oct							n above
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				0			11			17			28				e of fo		ody st	yles ii	n the
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	FY 04 / 05 BUDGET 1	PROD	OUCTION	SCE	IEDUL:	E			tem N CK, T				E HAI	UL, M	Л915 <i>А</i>	A2 (D	15900	0)					-	Date:			Feb	ruary	2002			
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				S	PROC	ACCEP	BAL								Cale	endar	Year	r 04								Calen	dar Y	Year (	5			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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	T E R
Hai	rdware - M915A3															$\dashv$																
		1	FY 01	A	9	9	0																									0
		1	FY 01	A	255	255	0																									0
		1	FY 01	A	115	115	0																									0
		1	FY 02	A	284	284	0																									0
		1	FY 03	A	276	96	180	40	40	40	40	20																				0
Hai	dware - M916A2																															
			FY 01	A	12	12	0																									0
																													L			
Tot	al				951	771	180	40	40	40	40	20																				
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCT	ON RATES			MI	FR						ADM	IINLE	AD T	IME			MFR			TOTA	L	RI	MAR	KS				
F							REACHED	Nun	nber					Pri	ior 1 O	ct	Af	fter 1 C	Oct	At	fter 1 (	Oct	A	fter 1	Oct							n above
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				0			11			17			28				e of fo amily		ody sty	/les it	n the
1	Freightliner Corporation, Portland, OR		8.00		88.00	92.00	3	1	l	REO	RDER				0			2			6			8		Ve	hicles	s. The	M91	5 FO		
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Ext	nibit P-40	, Budge	t Item J	ustifica	tion She	eet	Di	ate:	F	ebruary 2002		
Appropriation/Budget Ac Other Procurement, Army /1/		vehicles				P-1 Item Nom TRU		LT EQ TRANS	, 6 X 6, M916	A1 (D19601)		
Program Elements for Co	de B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	770				19	38	95	95	60	60		1137
Gross Cost	52.1				4.2	7.8	18.0	18.1	12.0	12.0		124.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	52.1				4.2	7.8	18.0	18.1	12.0	12.0		124.2
Initial Spares	0.3											0.3
Total Proc Cost	52.4				4.2	7.8	18.0	18.1	12.0	12.0		124.5
Flyaway U/C												
Wpn Sys Proc U/C												

The M916A3 Light Equipment Transporter (LET) is a 68,000 Gross Vehicle Weight (GVW) tractor with a 3-1/2-inch, 40,000-pound capacity Compensator Fifth Wheel. It has an electronic diesel engine, automatic electronic transmission, anti-lock brakes, air conditioning, and is capable of operating at speeds up to 55 mph. The M916A3 Truck Tractor LET is found primarily in engineering units and used primarily to tow the 40-ton M870/M870A1 lowbed semi-trailer having a Gross Combination Vehicle Weight (GCVW) rating of 130,000-pounds. The M916A3 transports engineer construction equipment in the local, line haul, and maintenance evacuation missions over a 50% primary, 45% secondary, and 5% off-road mission profile. These systems support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### Justification:

In FY03, the M916A3 Truck Tractor will replace overage M916 Truck Tractors, which are 18-20 years-old and experiencing high maintenance and operating costs with associated below the goal readiness rates.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/E Other Procure Tactical and su					tem Nomenclatur RAC, LT EQ TRAN	e: S, 6 X 6, M916A1 (D	<b>0</b> 19601)	Weapon System	Гуре:	Date: Februa	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<ol> <li>Hardware - M916A3</li> <li>FET</li> <li>Program Management Support</li> <li>Engineering Change Proposals</li> <li>System Fielding Support</li> </ol>								2887 390 200 200 537		152	5871 793 250 250 637		155
Total								4214			7801		

Exhibit P-5a, Budget Procu	rement History and Planning							Date:	ebruary 2	002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support	vehicles	Weapon Syste	em Type:		P-1 Line It	em Nomenc C, LT EQ TRAN	elature: IS, 6 X 6, M916A1 (E	19601)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. Hardware - M916A3										
FY 2002	Freightliner Corporation Portland, OR	C/FFP	TACOM, Warren, MI	Feb 02	Aug 02	19	152	YES	N/A	
FY 2003	Freightliner Corporation Portland, OR	Option/CFP	TACOM, Warren, MI	Dec 02	Jun 03	38	155	YES	N/A	
REMARKS:										

Г	FY 02 / 03 BUDGET PF	ROD	UCTION	SCH	I <b>EDU</b> L	E			Item N JCK, T				RANS	S, 6 X	6, M	916A	.1 (D1	19601	)				]	Date:			Febi	uary 2	2002			
													scal Y				·							F	`iscal	Year		-				
				g	PROC	ACCEP	BAI								Cale	endar	· Yea	r 02								Calen	dar Y	ear 0	3			L
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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	A T E R
1.	Hardware - M916A3																															
		1	FY 02	Α	19	0	19					Α						19														0
		1	FY 03	A	38	0	38															А						19	19			0
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10	tai				31		31																						19			
								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	
M			PR	ODUCTI	ON RATES			М	FR						ADM	4INLE	EAD T	IME			MFR			ТОТА	L	RI	MAR	KS				
F							REACHED	Nur					1	Pri	ior 1 O			fter 1 C	Oct	1	fter 1 (			fter 1 (		Th	e proc	luction				1 above
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				0			11			17			28						dy sty		
1	Freightliner Corporation, Portland, OR		20.00		33.00	80.00	3		1	REO	RDER				0			2			6			8						with		5 FOV
										INIT	TAL															coi	nmer	ial pr	oduct			runs at
П								L_		REO	RDER															a ra	ite of	90 per	r day.			
										INIT	ΊAL																					
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Exhi	bit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Б	ate:	I	February 2002		
Appropriation/Budget Activ Other Procurement, Army /1/Ta		vehicles				P-1 Item Nom Tow		5th Wheel (D15	901)			
Program Elements for Code	B Items:			Code: A	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty					34	40	40	40	40	40		234
Gross Cost					2.0	2.0	2.0	2.0	2.0	2.0		12.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)					2.0	2.0	2.0	2.0	2.0	2.0		12.0
Initial Spares												
Total Proc Cost					2.0	2.0	2.0	2.0	2.0	2.0		12.0
Flyaway U/C												
Wpn Sys Proc U/C												

The Fifth Wheel Towing Device (FWTD) can be used with a truck tractor to recover, lift-tow or flat-tow another disabled truck. It serves the same recovery function as a wrecker without having a truck dedicated for that purpose. When the Fifth Wheel Towing Device is not in use, it can be dismounted and the tractor perform its normal trailer-towing mission. Item will be type classified in FY02. These systems support the Legacy transition path of the Transformation Campaign Plan (TCP).

### Justification:

FY03 funding is required to procure FWTD to perform forward recovery missions in Ordnance, Transportation and Engineer Units. The FWTD provides a unit the capability to recover vehicles without the use of a wrecker, especially in Line Haul missions. The FWTD will reduce the Army's wrecker requirements. The current Army Acquisition Objective (AAO) is 257.

Program has been restructured and was previously funded in Items Less than \$5.0 million budget line.

Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	Da	nte:													
Appropriation/Budget Acti Other Procurement, Army /1/Ta		vehicles				P-1 Item Nom TRU		OR, YARD TY	ARD TYPE, M878 (C/S) (D16000)  Y 2005 FY 2006 FY 2007 To Complete Total Prog  12 6 10 390  1.8 1.0 1.5 30.7  1.8 1.0 1.5 30.7												
Program Elements for Code	e B Items:			Code: A	Other Relate	ed Program Ele	ements:		D TYPE, M878 (C/S) (D16000)  D5 FY 2006 FY 2007 To Complete Total Prog 12 6 10 390 1.8 1.0 1.5 30.7  1.8 1.0 1.5 30.7												
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog									
Proc Qty	220	35	15		35	50	7	12	6	10		390									
Gross Cost	11.3	3.3	2.0		4.0	4.9	1.0	1.8	1.0	1.5		30.7									
Less PY Adv Proc																					
Plus CY Adv Proc																					
Net Proc (P-1)	11.3	3.3	2.0		4.0	4.9	1.0	1.8	1.0	1.5		30.7									
Initial Spares																					
Total Proc Cost	11.3	3.3	2.0		4.0	4.9	1.0	1.8	1.0	1.5		30.7									
Flyaway U/C																					
Wpn Sys Proc U/C																					

The Truck Tractor, Yard Type, M878A2 is primarily used to provide a capability to shuttle semi-trailers loaded with containers of break bulk cargo within fixed ports, on prepared beaches during Logistics-Over-The-Shore (LOTS) operations, and in trailer transfer areas. The vehicle is a highly maneuverable commercial tractor with an automatic locking, hydraulic-lock fifth wheel, which facilitates semi-trailer coupling and disengagement and allows movement of the semi-trailers/chassis without retracting the landing legs. It is capable of moving vehicles weighing up to 88,000 pounds. These systems support the Legacy transition path of the Transformation Campaign Plan (TCP).

### **Justification:**

FY03 procures 50 Truck Tractor, Yard Type, M878A2 required to replace overage M878 and M878A1 vehicles, to fill existing shortages, and to provide vehicles for newly created Cargo Transfer Companies. The Yard Tractor will be used anywhere in the world (i.e., ports, beaches, forward supply areas, and in the division area of responsibility, railhead operations, cargo handling areas, and in/near air terminal fields. These trucks are required to transport containerized cargo from port facilities to transfer points for line haul operations. If these trucks are not procured, the ability of the Army to strategically deploy from ships in preparation for forward movement will not be possible. The current fleet is 20 plus years old and is becoming increasingly difficult and expensive to maintain. The Army's Acquisition Objective is 333.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/E Other Procure Tactical and st	Budget Activ ment, Army / apport vehicle	rity/Serial No. 1 / s		P-1 Line I	tem Nomenclature RACTOR, YARD TY	e: YPE, M878 (C/S) (D	16000)	Weapon System	Гуре:	Date: Febru	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Vehicle (Hardware) Logistics Technical Manuals Engineering - In House Program Management Support System Fielding Support								2800 50 500 75 200 350		80	80 225 379		84
Total								3975			4884		

Exhibit P-5a, Budget Procu	rement History and Planning							Date: F	ebruary 20	002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and suppor	t vehicles	Weapon Syste	ет Туре:		P-1 Line Ite		lature: YPE, M878 (C/S) (D	16000)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Vehicle (Hardware) FY 2002 FY 2003	To Be Selected To Be Selected	F/FP F/FP	TBD	June 02 Feb 03	May 03 Aug 03	35 50	80 84	No No	N/A N/A	N/A N/A
REMARKS:										

	FY 01 / 02 BUDGET P	ROD	UCTION	SCH	IEDUL:	E			Item N JCK, T				D TY	PE, N	M878	(C/S)	) (D1	6000)						Date:			Feb	ruary	2002			
												Fis	scal Y	'ear (	)1									I	iscal	Year	02					
				S	PROC	ACCEP	BAL								Cale	endar	Year	r 01								Caler	ıdar `	Year (	)2			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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	T E R
Ve	hicle (Hardware)												_											+								
		1	FY 02	A	35	0	35																					Α				35
		1	FY 03	A	50	0	50		П																							50
									П																							
									П																							
									П																							
									П																							
То	tal				85		85		П																							85
								O C T	N O V	D E C	Α	Е	Α	A P R	Α		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	Α	P	Α		J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	ΛL	R	EMAI	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Af	fter 1 C	Oct	At	fter 1 (	Oct	Α	After 1	Oct	J						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	ΊΑL				0			9			11			20								
1	To Be Selected		2.00		2.00	10.00	0		1	REO	RDER				0			4			6			10		_						
Ш										INIT																1						
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										REO.	RDER																					

	FY 03 / 04 BUDGET P	ROD	UCTION	SCH	IEDUL	E			Item N ICK, T				RD TY	/PE, 1	M878	(C/S	) (D1	6000)	)					Date:			Feb	ruary	2002			
													scal Y											l	iscal	Year		J				
				g	PROC	ACCED	BAI								Cal	endar	· Yea	r 03								Calen	dar Y	Year (	)4			L
	COST ELEMENTS	M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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	A T E R
Vel	nicle (Hardware)										Н																					
		1	FY 02	A	35	0	35								8	10	10	7	,													0
		1	FY 03	A	50	0	50					Α						3	10	10	10	) 10	7	7								0
									П		Н																	$\vdash$				
									Н																							
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Tot	al				85		85				Н				8	10	10	10	10	10	10	) 10	7	7				$\vdash$				
100	aı				65		65																	,								
								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	Е	J A N	F E B	M A R	P	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADN	ЛINLЕ	EAD T	IME			MFR	Į.		TOTA	L	RI	EMAF	KS				
F							REACHED	Nur	nber					Pr	ior 1 O	)ct	A:	fter 1 (	Oct	A	fter 1	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	TAL				0			9			11			20								
1	To Be Selected		2.00		2.00	10.00	0		1	REO	RDER				0			4			6			10								
										INIT	TAL																					
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Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Da	nte:	F	February 2002		
Appropriation/Budget Act Other Procurement, Army /1/7		rehicles				P-1 Item Nom HV		D MOBILE TA	.CTICAL TRU	JCK EXT SEF	RV PROG (DV	0021)
Program Elements for Coo	le B Items:			Code: A	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty			126	112	174	652	608	478	664	828		3642
Gross Cost			17.5	20.8	31.1	119.9	122.6	99.6	137.6	180.8		729.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			17.5	20.8	31.1	119.9	122.6	99.6	137.6	180.8		729.9
Initial Spares												
Total Proc Cost			17.5	20.8	31.1	119.9	122.6	99.6	137.6	180.8		729.9
Flyaway U/C												
Wpn Sys Proc U/C												

The Heavy Expanded Mobility Tactical Truck Extended Service Program (HEMTT ESP) remanufactures and upgrades existing HEMTT vehicles with insertion of new technologies that reduce life cycle costs for the HEMTT fleet, reduce emissions, improve safety and performance, and provide greater warfighting capability. This program produces a "like-new" vehicle with a full new vehicle warranty. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

### Justification:

FY03 procures upgrades for 236 M978 Tankers, 40 M984A1 Wreckers, and 170 M985 Cargos, 156 M1022 LHS, 45 M983 Tractor, and 5 M985E1 Guided Missile Transporter (GMT); upgrading one Patriot Battalion, and initiating upgrade of the 4th Infantry Division (4ID) and 1st Cavalry Division (1CD) HEMTTs in the Counter Attack Corps. The HEMTT ESP program is the Army's only source for production of the HEMTT Load Handling System (LHS) configuration. HEMTT LHS reduces the logistics footprint and is critical to the Army's evolving transportation-based, just-in-time supply system. HEMTT LHS is a "must have" Combat Service Support (CSS) enabler in both the Interim Brigade Combat Teams and the Digitized Divisions, providing C130 transportability and modular delivery of fuel, ammunition and other classes of supply in forward areas.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/B Other Procurer Tactical and su	nent, Army /	1 /			tem Nomenclature ANDED MOBILE TA 0021)		EXT SERV	Weapon System	Гуре:	Date: Februa	ary 2002
<b>OPA1</b> II	D		FY 00			FY 01			FY 02			FY 03	
Cost Elements C	D	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	$\Box$	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Hardware HEMTT ESP M984A1 Wrecker HEMTT ESP M978 Tanker HEMTT ESP M1022 LHS HEMTT ESP M985 Cargo A HEMTT ESP M983 Tractor HEMTT ESP M985E1 GMT					14230	112	128	20736 6569	135 39		7892 44544 25147 29967 6392 915	236 156 170 45	198 189 162 177 143 183
Subtotal					14230			27305			114857		
<ol> <li>Engineering Changes</li> <li>Government Testing - ATC</li> <li>Documentation</li> <li>Engineering Support - Government</li> <li>Quality Assurance Supt - Government</li> <li>Special Tools</li> <li>System Fielding Support</li> <li>PM Support</li> </ol>					485 1148 2529 193 241 43 1476 445			463 950 1250 173 132 74 479 260			2203 150 50 176 133 283 1739 263		
Total					20790			31086			119854		

Exhibit P-5a, Budget Procu	rement History and Planning							Date: F	ebruary 2	002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support	vehicles	Weapon Syster	n Type:		P-1 Line It		lature: ACTICAL TRUCK E	XT SERV P	ROG (DV002	21)
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
1. Hardware										
FY 2000	Oshkosh Truck Corp. (OTC) Oshkosh, WI	FFP/Option	TACOM, Warren, MI	Mar 00	Jun 00	84	135	Yes	N/A	N/A
FY 2000	Oshkosh Truck Corp. (OTC) Oshkosh, WI	FFP/Option	TACOM, Warren, MI	Aug 00	Dec 00	42	135	Yes	N/A	N/A
FY 2001	Oshkosh Truck Corp. (OTC) Oshkosh, WI	SS/REQ/PY1	TACOM, Warren, MI	Mar 01	Aug 01	112	128	Yes	N/A	N/A
FY 2002	Oshkosh Truck Corp. (OTC) Oshkosh, WI	SS/REQ/PY2	TACOM, Warren, MI	Feb 02	Aug 02	174	157	Yes	N/A	N/A
FY 2003	Oshkosh Truck Corp. (OTC) Oshkosh, WI	SS/REQ/PY3	TACOM, Warren, MI	Jan 03	Aug 03	652	176	Yes	N/A	N/A

	FY 00 / 01 BUDGET PRO	OD	UCTION	SCH	(EDUL)	E			Item N EXP				LE TA	ACTIO	CAL 1	ΓRUC	CK E	XT SI	ERV I	PROG	G (DV	70021)		Date:			Fel	oruary	2002			
												Fi	scal Y	Zear (	)0									I	iscal	Year	· 01					
				S	PROC	ACCEP	BAL								Cale	endar	· Yea	r 00								Caler	ndar	Year	01			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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	T E R
HE	MTT ESP Vehicles										Н																+	$\vdash$	H	$\vdash$		
		1	FY 00	A	84	0	84						A			20	20	22	22													0
		1	FY 00	Α	42	0	42											Α				9	11	11	1 1	1						0
		1	FY 01	Α	112	0	112																		A	1				7	9	96
		1	FY 02	A	174	0	174																						L	上		174
		1	FY 03	A	652	0	652																									652
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M			PRO	ODUCTI	ON RATES			M	FR						ADN	IINLE	AD T	IME			MFR			TOTA	ιL	R	EMA	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	A:	fter 1 (	)ct	At	fter 1 (	Oct	Α	After 1	Oct							ctuals
R	NAME/LOCATION		MIN.	1	1-8-5	MAX.	D+			INIT	TAL				0			5			5			10						comm		ate mix
1	Oshkosh Truck Corp. (OTC), Oshkosh, WI		1.00		50.00	100.00	12	_	l	REO	RDER				0			3			7			10		pr	oduct	ion or	conti	ractor's		
Ш										INIT																pr	oduct	ion lii	ne			
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	FY 02 / 03 BUDGET P	PROE	UCTION	SCH	IEDUL	E			tem N				LE TA	ACTIO	CAL 1	ΓRUC	СК ЕХ	XT SE	ERV I	PROG	i (DV	(0021)		Date:			Fe	bruar	ry 20	002			
												Fis	scal Y	ear (	02									I	Fiscal	Yea	r 03						
				S	PROC	ACCEP	BAL			_					Cale	endar	Year	r 02								Cale	ndar	Year	r 03			_	L A
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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	I J L N	<b>j</b> J ]	J U L	A U G	S E P	T E R
НЕ	MTT ESP Vehicles																								+	+	+	+	+	+	+	$\dashv$	
		1	FY 00	A	84	84	0																						Т			$\neg$	0
		1	FY 00	A	42	42	0																										0
		1	FY 01	A	112	16	96	9	9	9	9	10	10	10	10	10	10																0
		1	FY 02	A	174	0	174					A						13	13	13	15	15	1:	5 1:	5 1:	5 1	5 1	5	15	15			0
		1	FY 03	A	652	0	652																Α	١							24	35	593
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То	tal				1064	142	922	9	9	9	9	10	10	10	10	10	10	13	13	13	15	15	1:	5 1:	5 1:	5 1	5 1	5	15	15	24	35	593
								O C T	0	D E C		F E B	M A R	A P R	M A Y		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	Α	P	Α	. U	J 1	U	U	S E P	
M			PR	ODUCTI	ON RATES			MI	FR						ADM	IINLE	AD T	IME			MFR			TOTA	ΛL	I	REMA	RKS					
F							REACHED	Nun	nber					Pri	ior 1 O	ct	Af	fter 1 C	)ct	At	fter 1	Oct	Α	After 1	Oct								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	ΊAL				0			5			5			10									
1	Oshkosh Truck Corp. (OTC), Oshkosh, WI		1.00		50.00	100.00	12	1	1	REO	RDER				0			3			7			10									
Ш									-	INIT																4							
Ш											RDER															4							
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										KEO	RDER																						

	FY 04 / 05 BUDGET PRO	OD <sup>°</sup>	UCTION	SCH	IEDULI	E			tem N EXP				E TA	CTIC	CAL T	ΓRUC	CK EX	XT SE	RV F	PROG	i (DV	0021)	]	Date:			Feb	ruary :	2002			
													scal Y											F	`iscal	Year						
				ç	PROC	ACCEP	BAI								Cale	endar	Yea	r 04								Calen	dar Y	ear 0	)5			L
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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	A T E R
HE	EMTT ESP Vehicles	$\dashv$											$\dashv$																			
		1	FY 00	A	84	84	0																									0
		1	FY 00	A	42	42	0																									0
		1	FY 01	A	112	112	0																									0
		1	FY 02	A	174	174	0																									0
		1	FY 03	A	652	59	593	59	59	59	59	59	59	59	60	60	60															0
То	tal				1064	471	593	59	59	59	59	59	59	59	60	60	60															
								O C T	N O V	D E C	J A N	F E B		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	
M			PRO	ODUCTI	ON RATES			MI	FR						ADM	IINLE	AD T	IME			MFR			ТОТА	L	RI	EMAR	.KS				
F							REACHED	Nun	nber					Pri	or 1 O	ct	Af	fter 1 C	ct	Af	fter 1 (	Oct	A	fter 1 (	Oct	1						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				0			5			5			10								
1	Oshkosh Truck Corp. (OTC), Oshkosh, WI	$\Box$	1.00		50.00	100.00	12	1	1	REO	RDER				0			3			7			10								
Ш		_								INIT			_																			
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										KEO.	RDER																					

Exh	nibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Γ	Oate:	I	February 2002		
Appropriation/Budget Act Other Procurement, Army /1/		/ehicles				P-1 Item Non LIN	nenclature E HAUL ES	P (DV0011)				
Program Elements for Co	de B Items:			Code: A	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty		55	135	402	240							832
Gross Cost		4.9	12.2	32.5	18.4							68.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		4.9	12.2	32.5	18.4							68.0
Initial Spares												
Total Proc Cost		4.9	12.2	32.5	18.4							68.0
Flyaway U/C												
Wpn Sys Proc U/C												

The Line Haul Truck Tractor (M915A4) is an upgrade vehicle primarily found in Medium Transportation Companies used as a prime mover to transport break bulk, containers and petroleum over primary and secondary roads. It is a 6x4 tractor with a 2 ½-inch kingpin and 105,000 Gross Combination Vehicle Weight capacity. The M915A4 Truck Tractor is transportable by highway, rail, marine and air modes worldwide. This tractor combines new state-of-the-art components such as the cab, transmission, electrical and air systems with the existing Line Haul Truck Tractor engine and rear axle to create the M915A4 tractor at a cost effective price. This program is one of the U. S. Army's Top Recapitalization Programs. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

### Justification:

The M915A4 Line Haul truck tractor which will significantly improve readiness by using selected components from aging 17-19 years-old line haul fleet, combined with the upgrade "glider" kit, to produce upgraded vehicles at a cost effective unit price. These upgraded tractors will replace the current M915 Line Haul Tractors with the newly upgraded M915A4 Tractor on a one-for-one basis. The M915A4 Line Haul Truck Tractor is currently experiencing below the goal mission capable rates and is difficult and expensive to support due to its age. The upgraded M915A4 Line Haul Truck Tractor will significantly improve readiness due to its new cab, transmission, electrical systems, as well as enhancements such as Anti-Lock Brake System (ABS) and air conditioning. FY02 is the last year of funding for the M915A4 Line Haul ESP.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/F Other Procure Tactical and st	ment, Army /	1 /		P-1 Line I	tem Nomenclature L ESP (DV0011)	): 		Weapon System	Гуре:	Date: Febru	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware - M915A4 Application of Kits Engineering Change Proposals Documentation Testing - Follow On Test Engineering - In House Program Management Support System Fielding Support Component Assy/Disassembly at Depots					28140 1125 985 200 200 150 200 300 1230	402	70	17040 350 236 150 200 250 161	240	71			
Total					32530			18387					

Exhibit P-5a, Budget Proc	urement History and Planning							Date:	ebruary 2	002
appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and suppo	rt vehicles	Weapon Syste	m Type:		P-1 Line It		lature:			
VBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Is Date
Hardware - M915A4										
FY 2001	Freightliner Portland, OR	CFP RQ5(3)	TACOM, Warren, MI	Dec 00	Mar 01	286	70	YES	N/A	
FY 2001	Freightliner Portland, OR	CFPRQ5(3A)	TACOM, Warren, MI	Mar 01	Jun 01	57	70	YES	N/A	
FY 2001	Freightliner Portland, OR	CFPRQ5(3B)	TACOM, Warren, MI	Sep 01	Dec 01	59	70	YES	N/A	
FY 2002	Freightliner Portland, OR	CFP RQ5(4)	TACOM, Warren, MI	Feb 02	May 02	240	71	YES	N/A	
										$oldsymbol{ol}}}}}}}}}}}}}}}}}}$

	FY 01 / 02 BUDGET	PROL	OUCTION	I SCE	IEDUL:	E			Item N E HAU				1)											Date			Fet	ruary	2002			
												Fi	scal Y	ear (	)1									]	Fiscal	Year	· 02					
				S	PROC	ACCEP	BAL								Cale	endar	· Yea	r 01								Cale	ndar `	Year	02			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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	T E R
Har	dware - M915A4										Н													+	+	+			H			
		1	FY 01	A	57	0	57						Α			14	14	14	15													0
		1	FY 01	A	286	0	286			A			30	31	31	31	31	31	31	20	20	20	10	D .								0
		1	FY 01	A	59	0	59												A			20	20	0 1	9							0
		1	FY 02	A	240	0	240																	1	Λ		3(	) 3(	3(	30	30	90
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Tot	al				642		642						30	31	31	45	45	45	46	20	20	40	3(	0 1	9	+	30	) 3(	) 3(	30	30	90
100					0.2		0.2																									7.0
								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 L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	Α	P	Α		J U L	A U G	S E P	
M			PR	ODUCT	ON RATES			М	FR						ADM	4INLE	EAD T	IME			MFR			TOT	ΛL	R	EMAI	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Ai	fter 1 C	Oct .	At	fter 1	Oct	A	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	TAL				0			3			10			13		1						
1	Freightliner, Portland, OR		5.00		35.00	50.00	7		1	REO	RDER				0			3			3			6		]						
										INIT	TAL															1						
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	FY 03 / 04 BUDGET P	ROE	OUCTION	SCH	IEDUL	E					nclatur SP (DV		1)											Date:			Feb	ruary	2002			
												Fis	scal Y	'ear 0	)3									F	iscal	Year	04					
				S	PROC	ACCEP	BAL						_		Cale	endar	· Yea	r 03						_	_	Caler	ıdar `	Year (	)4			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	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	T E R
Ha	rdware - M915A4												_													+						
		1	FY 01	A	286	286	0																									0
		1	FY 01	A	57	57	0																									0
		1	FY 01	A	59	59	0																									0
		1	FY 02	A	240	150	90	30	30	30																						0
То	tal				642	552	90	30	30	30																						
								O C T	N O V	D E C	Α	Е	Α	P	Α	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	P	Α		J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			MI	FR						ADM	IINLE	AD T	IME			MFR			TOTA	L	R	EMAI	RKS				
F							REACHED	Nun	nber					Pri	ior 1 O	ct	Ai	fter 1 C	Oct	Ai	fter 1 (	Oct	Α	After 1	Oct	1						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	,		INIT	TAL				0			3			10			13								
1	Freightliner, Portland, OR		5.00		35.00	50.00	7	1	1	REO	RDER				0			3			3			6		1						
Ш										INIT																1						
Ш											RDER															4						
Ш										INIT		_	_													4						
Н											RDER		_													4						
Н										INIT		-	-													-						
Н											RDER	-	-													-						
Н									ŀ	INIT		$\dashv$	-													-						
										REO	RDER																					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	I	February 2002		
Appropriation/Budget Acti Other Procurement, Army /1/Ta		vehicles				P-1 Item Non MO		N OF IN SVC E	QUIP (DA092	(4)		
Program Elements for Code	e B Items:			Code: A	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	123.3	10.9	31.0	47.2	52.3	73.3	58.3	22.4	5.0	5.0		428.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	123.3	10.9	31.0	47.2	52.3	73.3	58.3	22.4	5.0	5.0		428.9
Initial Spares												
Total Proc Cost	123.3	10.9	31.0	47.2	52.3	73.3	58.3	22.4	5.0	5.0		428.9
Flyaway U/C												
Wpn Sys Proc U/C												

Supports the hardware and application of High Mobility Multi-purpose Wheeled Vehicle (HMMWV) 3-Point Seatbelt Modifications, M939 Anti-Lock Brake System (ABS), M939 Tire Improvement System, HMMWV Rear Differential Oil Cooler, HMMWV M997 Maxi-Ambulance Air conditioning upgrade, repair of M872 trailers, Heavy Expanded Mobility Tactical Truck (HEMTT) Wheel Modification, Palletized Load System (PLS) Trailer Wheel Modification, and PLS/HEMTT 4-Point Seatbelt Modification. Safety related modifications increase survivability of soldiers in the field and improve vehicle readiness. In FY95, the M939 Truck was responsible for 26% of the total Army Military Vehicle (AMV) accidents and 53% of the total AMV fatalities. In FY90-FY95 timeframe, there were 194 serious accidents resulting in injury costs of \$8.1 million, property damage of \$2.9 million, 163 serious injuries and 46 fatalities. There are 32,000 M939 trucks worldwide that must have the anti-lock brake system applied. Additionally, 11,700 basic M939 series trucks are having their bias tires upgraded to radial tires as part of modification program to further improve vehicle safety. The HEMTT Wheel Modification program retrofits fielded vehicles that have a split-ring design with a two-piece bolt together design that is safer. Over the past few years, 59 soldier-injury split rim unique accidents have occurred for the 220 TACOM managed systems that use split rim design wheels. Of those accidents, 30 were specifically attributed to the HEMTT fleet, which also accounted for two fatalities during 1999-2000. The accident rate is increasing, despite Army-wide command focus on proper procedures. The PLS Trailer Wheel Modification also retrofits fielded trailers with a safer two-piece bolt together wheel design. The HEMTT/PLS 4-Point Seatbelt modification enhances crew safety in selected trucks that have extensive cab-mounted C4 equipment. These systems support the Legacy transition path of the Transformation Campaign Plan (TCP).

#### Justification:

FY03 procures modifications for the M939 Tire Improvement, M939 Anti-Lock Brake System, HMMWV 3-Point Seatbelt modifications, HMMWV Rear Differential Oil Cooler, the HEMTT Wheel Modification, the PLS Trailer Wheel Modification, and the PLS/HEMTT 4-Point Seatbelt Modification. The M939 modifications change the tires from the current bias ply Non-Directional Cross Country (NDCC) tire to a radial tire designed for on/off road. Recent improvement in radial tire design will provide better traction and mobility, which will enhance system safety. Further testing conducted in Jul 01, concluded that the ABS is incompatible with NDCC tires. Test data showed that 245 to 320-feet increase the wet braking distance of NDCC with ABS over trucks with ABS and radial tires. Thus the ABS kits must be installed on trucks with radial tires making it imperative that NDCC tires on M939 basic trucks be changed to radial tires. The HMMWV 3-point seatbelt safety enhancement modification provides 3-point seatbelts to the front and rear seats on all basic models. The change from two-point to the 3-point seatbelt will reduce injury associated with accidents by reducing the severity of injuries and fatalities. The M1113 Expanded Capacity Vehicle and M1114 Up-Armored HMMWV will be modified to include a rear differential oil cooler.

Exhibit P-40C, Budget Item Justification Sheet				Date: February 2002
Appropriation/Budget Activity/Serial No: Other Procurement, Army /1/Tactical and support vehicles			P-1 Item Nomenclature	MODIFICATION OF IN SVC EQUIP (DA0924)
Program Elements for Code B Items:	Code: A	Other Related	Program Elements:	
The differential temperature issue is considered by the user community to place.		ional deficie	ncy that is so critical that	fielding of 1,500 vehicles has been restricted until a modification is in

Exhibit P-40M, Bu	dget Item Justificatio	n Sheet				Dat	2:	Fe	ebruary 2002		
Appropriation/Budget Activity/Set Other Procurement, Army /1/Ta					P-1 Item Nomenc	lature	MODIFICATI	ON OF IN SVC E	QUIP (DA0924)		
Program Elements for Code B Item	ns:		Code: A	Other Related	Program Elements:						
Description		Fiscal Years									
OSIP NO.	Classification	2000 & PR	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	TC	Total
HMMWV 3-PT Seatbelt											
1-92-06-4401	Safety	23.4	1.0	5.7	3.5	0.0	4.4	2.8	0.0	0.0	40.8
M939 Tire Improvement											
1-97-06-4532	Safety	21.9	14.7	14.9	5.3	4.8	0.0	0.0	0.0	20.9	82.5
M939 Anti-Lock Brake Systen	n (ABS)										
1-97-06-4533	Safety	15.7	15.4	13.6	4.9	4.5	0.0	0.0	0.0	20.2	74.3
HMMWV Rear Differential O	il Cooler										
1-98-06-4551	Safety	0.0	0.0	3.6	3.6	0.0	0.0	0.0	0.0	0.0	7.2
HEMTT Wheel Modification											
1-00-06-0003	Urgent	0.0	0.0	11.0	42.2	42.1	18.0	0.0	0.0	0.0	113.3
A8020 Fuel Injection Test Star	nd Upgrade										
0-00-00-0000		1.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
Aluminum Mesh Liner											
0-00-00-0000		0.0	7.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	11.0
M872 Modification Hardware											
1-01-06-0007	Special Purpose Mod	0.0	0.0	0.0	8.9	6.9	0.0	0.0	0.0	0.0	15.8
HEMTT/PLS 4-Point Seatbelt			-								
0-00-00-0000	Safety	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3
PLS Trailer Wheel Modification	on										
TBD	Safety	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	3.6

Exhibit P-40M,	Budget Item Justifica	ation Sheet				Dat	e:	F	ebruary 2002		
Appropriation/Budget Activi Other Procurement, Army	ty/Serial No: /1/Tactical and support vehicles				P-1 Item Nomeno	elature	MODIFICATI	ION OF IN SVC E	EQUIP (DA0924)		
Program Elements for Code l	B Items:		Code: A	Other Related	Program Elements:						
Description		Fiscal Years									
OSIP NO.	Classification	2000 & PR	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	TC	Total
HMMWV 3PT Seatbelts-	M996 Mini Ambulance										
1-01-06-0004	Safety	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3
HMMWV 3PT Seatbelts-	M997 Maxi Ambulance										
1-01-06-0005	Safety	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.0	0.0	2.9
HMMWV M997 Maxi-Aı	mbulance A/C Upgrade										
1-02-06-0001	Urgent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	4.0
High Mobility Trailer MV	VOs										
0-00-00-0000	Urgent	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
Totals		62.0	47.2	52.3	73.3	58.3	22.4	5.0	5.0	41.1	366.6

MODIFICATION TITLE: HMMWV 3-PT Seatbelt [MOD 1] 1-92-06-4401

MODELS OF SYSTEM AFFECTED: All HMMWV Models (Except M996 and M997)

### DESCRIPTION/JUSTIFICATION:

The three-point seatbelt safety modification will apply to the front and rear seats on all basic armor and non-armor HMMWV models. This three-point seatbelt is a safer and more effective restraint system than the two-point seatbelt; therefore, it will reduce the severity of injuries and fatalities and is a significant safety enhancement. Total requirement is for 76,925 front, rear seatbelt and Armor kits plus 1,318 template kits.

### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The three point seatbelts were added to the HMMWV vehicles in response to increased safety regulations. The 3Pt belt system was cut into production for all vehicle models beginning with vehicle number 100,000. Retrofit kits for pre 100,000 serial number vehicles were developed and modeled after the production version. This material change will be applied using one of the three hardware kits and template kits developed to cover the different vehicle configurations.

Pr Yr		FY 2	2001			FY 2	002			FY 2	003			FY 2	2004			FY 2	005	
Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
48395	1586	622	622	622	622	622	996	996	996	996	939	939	939	939	940	940		1093	1093	1093
48395	1586	622	622	622	622	622	996	996	996	996	939	939	939	939	940	940		1093	1093	1093
	•			•					•					•	•	•	•			
	FY 2	006			FY 2	007			FY 2	800			FY 2	2009			То			Totals
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	C	omplete			
1093	1093	1093	1093	1093	1094	1094	1094	1094	1094											76925
1093	1093	1093	1093	1093	1094	1094	1094	1094	1094											76925
NTATION	: 1	Depot fiel	ld team	1	ADMINIS	TRATIV	E LEAD	ГІМЕ:	6	Months		]	PRODUC	TION LE	EADTIME	∃: ∙	4 Months			
	]	FY 2002	Aj	pr 02		I	FY 2003					]	FY 2004							
1						I	FY 2003					]	FY 2004							
	Totals 48395 48395  1 1093 1093	Totals 1 48395 1586 48395 1586  FY 2 1 2 1093 1093 1093 1093 NTATION:	Totals 1 2 48395 1586 622 48395 1586 622  FY 2006 1 2 3 1093 1093 1093 1093 1093 1093 NTATION: Depot fiel FY 2002	Totals 1 2 3 48395 1586 622 622 48395 1586 622 622  FY 2006  1 2 3 4 1093 1093 1093 1093 1093 1093 1093 1093 NTATION: Depot field team FY 2002 A	Totals 1 2 3 4 48395 1586 622 622 622 48395 1586 622 622 622  FY 2006  1 2 3 4 1 1093 1093 1093 1093 1093 1093 1093 1093 1093 NTATION: Depot field team FY 2002 Apr 02	Totals 1 2 3 4 1  48395 1586 622 622 622 622  48395 1586 622 622 622 622  FY 2006 FY 2  1 2 3 4 1 2  1093 1093 1093 1093 1093 1094  1093 1093 1093 1093 1093 1094  NTATION: Depot field team FY 2002 Apr 02	Totals 1 2 3 4 1 2 48395 1586 622 622 622 622 622 48395 1586 622 622 622 622 622  FY 2006 FY 2007  1 2 3 4 1 2 3 1093 1093 1093 1093 1093 1094 1094 1093 1093 1093 1093 1093 1094 1094  NTATION: Depot field team ADMINISTRATIV FY 2002 Apr 02	Totals 1 2 3 4 1 2 3  48395 1586 622 622 622 622 622 996  48395 1586 622 622 622 622 622 996  FY 2006 FY 2007  1 2 3 4 1 2 3 4  1093 1093 1093 1093 1093 1094 1094 1094  NTATION: Depot field team FY 2002 Apr 02 FY 2003	Totals 1 2 3 4 1 2 3 4 48395 1586 622 622 622 622 622 996 996 48395 1586 622 622 622 622 622 996 996  FY 2006 FY 2007  1 2 3 4 1 2 3 4 1 1093 1093 1093 1093 1093 1094 1094 1094 1094 1093 1093 1093 1093 1093 1094 1094 1094 1094 NTATION: Depot field team ADMINISTRATIVE LEADTIME: FY 2002 Apr 02 FY 2003	Totals 1 2 3 4 1 2 3 4 1 1 48395 1586 622 622 622 622 622 622 996 996 996 48395 1586 622 622 622 622 622 622 996 996 996 99	Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 48395 1586 622 622 622 622 622 622 996 996 996 99	Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 4 1 2 3 4 4 3 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4	Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 4 1 48395 1586 622 622 622 622 622 622 996 996 996 99	Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2 3 4 4 1 1 2 3 4 4 1 1 2 3 4 4 1 1 2 3 4 4 4 1 1 2 3 4 4 1 1 2 3 4 4 1 1 2 3 4 4 1 1 2 3 4 4 1 1 2 3 4 4 1 1 2 3 4 4 1 1 2 3 4 1 1 1 2 3 4 1 1 1 2 3 4 1 1 1 2 3 4 1 1 1 2 3 4 1 1 1 2 3 4 1 1 1 2 3 4 1 1 1 1 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 48395 1586 622 622 622 622 622 622 622 996 996 99	Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 4 1 2 3 4 4 1 2 3 4 4 1 2 3 4 4 4 1 2 3 4 4 4 1 2 3 4 4 4 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 4 1 2 3 4 4 1 2 3 4 4 1 2 3 4 4 1 2 3 4 4 1 2 3 4 4 1 2 3 4 4 1 2 3 4 4 1 2 3 4 4 1 3 4 4 4 1 2 3 4 4 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 48395 1586 622 622 622 622 622 622 622 996 996 99	Totals	Totals

Date:

February 2002

MODIFICATION TITLE (Cont): HMMWV 3-PT Seatbelt [MOD 1] 1-92-06-4401

	FY 2	2000		FY 2001 FY 2002																
	and	Prior	FY 2	2001	FY 2	2002	FY 2	2003	FY 2	2004	FY 2	2005	FY 2	2006	FY :	2007	T	'C	ТОТ	ΆL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity																				
Installation Kits	57075	9.8			16288	4.4	3562	1.0											76925	15.2
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip Kits	49981	13.6																	49981	13.6
FY 2001 Kits			3110	1.0															3110	1.0
FY 2002 Equip Kits					3984	1.3													3984	1.3
FY 2003 Equip Kits							5636	2.5											5636	2.5
FY 2004 Equip Kits																				
FY 2005 Equip Kits											8994	4.4							8994	4.4
FY 2006 Equip Kits													1658	0.9					1658	0.9
FY 2007 Equip Kits													3562	1.9					3562	1.9
TC Equip- Kits																				
Total Installment	49981	13.6	3110	1.0	3984	1.3	5636	2.5		0.0	8994	4.4	5220	2.8		0.0		0.0	76925	25.6
Total Procurement Cost		23.4		1.0		5.7		3.5		0.0		4.4		2.8		0.0		0.0		40.8
1																				

Date:

February 2002

MODIFICATION TITLE: M939 Tire Improvement [MOD 2] 1-97-06-4532

MODELS OF SYSTEM AFFECTED: M939 Family of Vehicles

### DESCRIPTION/JUSTIFICATION:

The Non-Directional Cross Country (NDCC) tire was engineered for cross-country applications prior to WWII and is neither compatible nor safe for highway driving. For the past four years, the M939 Series Trucks have been operating under Safety of Use Message (SOUM) 98-07 limiting the highway speed to 40-mph in an attempt to limit accidents, injuries, and fatalities occurring under this scenario. Changes in vehicle speeds, road construction, mission requirements, as well as advances in tire technology have made this tire obsolete. This modification will change the tires from the current bias ply NDCC to a radial tire designed for on/off highway usage. Recent improvements in radial tire design will provide better traction and mobility, which will enhance system safety. The 11,700 basic M939 series trucks are having their NDCC or other type bias tires upgraded to radial tires. Operating and support will also be significantly reduced. Economic Analysis Report 03-84-01 shows that the annual cost per truck with a 20-year life for bias tires is \$1,069; radial tires is \$737. This is a \$332 annual savings per truck, or \$3.9M per year (11700 x \$332). The accident scenario for M939 basic trucks with NDCC tires occurs during panic stop situations and is worsened on wet pavement. In panic stop situations on wet pavement the front wheels lock up. The NDCC bias tires react like ice skates and stopping distance is increased by 245-320-feet over trucks with radial tires. Once the NDCC tires are replaced with radial tires in conjunction with application of the ABS, the 40-mph speed limit restriction can be lifted, allowing the vehicles to be safely operated up to their required operational capability and mission requirements.

#### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Hardware Procurement (Tires and Tubes)- May 99, May 00, and May 01 Hardware Application - Jan 00 - Dec 05

Installation Schedule:																					
	Pr Yr		FY 2	001			FY 2	2002			FY 20	03			FY 20	04			FY 200	)5	
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	1994	457	457	512	512	512	512	548	549	549	549	189	189	189	190	174	174	174	174		
Outputs	1994	457	457	512	512	512	512	548	549	549	549	189	189	189	190	174	174	174	174		
		FY:	2006			FY 2	007			FY 20	008			FY 20	09			То		T	otals`
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Co	omplete			
Inputs																		3096		1	1700
Outputs																		3096		1	1700
METHOD OF IMPLEME	ENTATION	<b>1</b> :	Contracto	r		ADMINIS	TRATIV	/E LEAD	TIME:	3	Months		PR	RODUCT	ION LEA	DTIME:	2	2 Months			
Contract Dates:			FY 2002	Ja	n 02			FY 2003	Jan 0	3			FY	2004	Jan 04	4					
Delivery Date:			FY 2002	M	ar 02			FY 2003	Mar (	03			FY	2004	Mar (	)4					

Date:

February 2002

MODIFICATION TITLE (Cont): M939 Tire Improvement [MOD 2] 1-97-06-4532

	FY 2	2000																		
	and 1	Prior	FY 2	2001	FY 2	2002	FY 2	2003	FY 2	2004	FY 2	2005	FY 2	2006	FY 2	2007	Т	С	ТОТ	ſAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity																				
Installation Kits	2908	11.5	2048	8.3	2195	9.0	757	3.2	696	2.9							3096	12.7	11700	47.6
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other (Testing, PM/Eng Spt)		4.2		1.7		1.0		0.4		0.3								0.9		8.5
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip Kits	2908	6.2																	2908	6.2
FY 2001 Kits			2048	4.7															2048	4.7
FY 2002 Equip Kits					2195	4.9													2195	4.9
FY 2003 Equip Kits							757	1.7											757	1.7
FY 2004 Equip Kits									696	1.6									696	1.6
FY 2005 Equip Kits																				
FY 2006 Equip Kits																				
FY 2007 Equip Kits																				
TC Equip- Kits																	3096	7.3	3096	7.3
Total Installment	2908	6.2	2048	4.7	2195	4.9	757	1.7	696	1.6		0.0		0.0		0.0	3096	7.3	11700	26.4
Total Procurement Cost	2700	21.9	20-10	14.7	2173	14.9	151	5.3	070	4.8		0.0		0.0		0.0	3070	20.9	11/00	82.5
10th 110th chieff Cost		21.7		17./		17.7		5.5		7.0		0.0		0.0		0.0		20.7		02.5

Date:

February 2002

MODIFICATION TITLE: M939 Anti-Lock Brake System (ABS) [MOD 3] 1-97-06-4533

MODELS OF SYSTEM AFFECTED: M939 Family of Vehicles

### DESCRIPTION/JUSTIFICATION:

The current design for the M939 brake system is inadequate and accident-prone. In the FY90-FY95 timeframe there were 194 serious accidents resulting in injury costs of \$8.1M, \$2.9M in property damage, 163 serious injuries, and 46 fatalities. In 1999, GAO report GAO/NSIAD-99-82 analysis indicated that from Jan 1987 thru Jun 1998 accident data showed that, while M939s made up an average of 9% of the Army Motor vehicle fleet, the M939 accounted for 34% of the fleet's accidents resulting in fatalities. Comparison of U.S. Department of Transportation accident statistics and M939 accident statistics showed that over a 10-year period, the fatality rate of occupants of the M939 averaged about 30 times higher than the fatality rate for occupants of comparably sized commercial trucks. For the past four years the M939 Series Trucks have been operating under Safety of Use Message (SOUM) 98-07 limiting the highway speed to 40-mph in an attempt to limit accidents, injuries, and fatalities occurring under this highway operational scenario. The accident scenario for M939 trucks occurs during panic stop situations and is worsened on wet pavement. In panic stop situations the truck's wheels lock up causing engine stall. This causes loss of power steering resulting in uncontrolled skidding creating accident and roll-over situations. Extensive testing of ABS for this truck has shown that ABS will eliminate 100% of the engine stalls and wheel lock-up regardless of the skill level of the drivers. Once the ABS is installed on trucks with radial tires, the 40-mph speed limit restriction can be lifted, allowing the vehicles to be safely operated to their required operational capability and mission requirements.

#### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Products Specification Available - Oct 98 Developmental Test & Evaluation - 1 Oct 96 - 30 Sep 97 Hardware Procurement - 17 May 99 Hardware Application - Jan 00 - Dec 05

Instal	lation	Sc.	hec	lu.	le:
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Inputs Outputs

Pr Yr		FY 2	001			FY 2	2002			FY 2	2003			FY 2	2004			FY 2	2005	
Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
5454	1250	1250	1400	1400	1400	1400	1500	1500	1500	1500	517	517	518	518	476	476	476	476		
5454	1250	1250	1400	1400	1400	1400	1500	1500	1500	1500	517	517	518	518	476	476	476	476		

		FY	2006			FY 2	2007			FY	2008			FY	2009			То	Totals
	1	2	. 3	3 4	1	2	3	4	1	2	3	4	1	1 2	2	3	4	Complete	
Inputs																		8472	32000
Outputs																		8472	32000

METHOD OF IMPLEMENTATION:	Contractor	ADMIN]	STRATIVE LEADTIN	IE:	3 Months	PRODUCTION	ON LEADTIME:	2 Months
Contract Dates:	FY 2002	Jan 02	FY 2003	Jan 03		FY 2004	Jan 04	
Delivery Date	FY 2002	Mar 02	FY 2003	Mar 03		FY 2004	Mar 04	

Date:

February 2002

MODIFICATION TITLE (Cont): M939 Anti-Lock Brake System (ABS) [MOD 3] 1-97-06-4533

	FY 2	2000																		
	and l	Prior	FY 2	2001	FY 2	2002	FY 2	2003	FY 2	2004	FY 2	2005	FY 2	2006	FY 2	2007	Т	С	ТОТ	ΊΑL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity	7954	8.6	5600	7.3	6000	8.6	2070	3.0	1904	2.8							8472	12.7	32000	43.0
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other (Testing, PM/Eng Supt)		2.6		4.1		0.8		0.4		0.3								0.7		8.9
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip Kits	7954	4.5																	7954	4.5
FY 2001 Kits			5600	4.0															5600	4.0
FY 2002 Equip Kits					6000	4.2													6000	4.2
FY 2003 Equip Kits							2070	1.5											2070	1.5
FY 2004 Equip Kits									1904	1.4									1904	1.4
FY 2005 Equip Kits																				
FY 2006 Equip Kits																				
FY 2007 Equip Kits																				
TC Equip- Kits																	8472	6.8	8472	6.8
Total Installment	7954	4.5	5600	4.0	6000	4.2	2070	1.5	1904	1.4		0.0		0.0		0.0	8472	6.8	32000	22.4
Total Procurement Cost		15.7		15.4		13.6		4.9		4.5		0.0		0.0		0.0		20.2		74.3

Date:

February 2002

MODIFICATION TITLE: HMMWV Rear Differential Oil Cooler [MOD 4] 1-98-06-4551

MODELS OF SYSTEM AFFECTED: M1113 Expanded Capacity Vehicle and M1114 Up-Armored HMMWV

### DESCRIPTION/JUSTIFICATION:

The HMMWV Rear Differential Oil Cooler is an "oil to oil" cooler using some excess heat capacity in the power steering cooler to cool the rear differential in conditions of high temperatures and high loading which may lead to oil break down and differential overheating and failure. In order to reduce cost of frequent replacement, a periodic oil change is being added to field maintenance actions. This represents an unacceptable burden on the user. The differential temperature issue is considered an operational deficiency so critical by the Army User community that they will only accept, under conditional material release, a limited number of the vehicles without a modification plan to install a differential cooler. Cost of the differential cooler will be partially offset by savings in logistics burden of oil changes including transport of Petroleum Oil and Lubricants (POL) in the forward area.

### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Level II Drawings Available - 4Q 98 Production Award - 2Q02 Hardware Application - 4Q02 - 2Q04 (for FY02 & FY03 Qty)

Installation	Schedu	le:
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Inputs Outputs

Pr Yr		FY 2	2001				FY 2	002			FY 2	003			FY 2	004			FY	2005	
Totals	1	2		3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
									400	500	700	700	750	583	583						
									400	500	700	700	750	583	583						

		FY	2006			FY	2007			FY	2008			FY 2	2009		То	Totals
	1	2	3	3 4	l l	1 2	3	3 4	. 1	. 2	3	4	1	2	3	4	Complete	
Inputs																		4216
Outputs																		4216

METHOD OF IMPLEMENTATION:	Contractor	ADMINI	STRATIVE LEADTIM	E:	5 Months	PRODUCTION LEADTIME:	3 Months
Contract Dates:	FY 2002	Mar 02	FY 2003	Dec 02		FY 2004	
Delivery Date:	FY 2002	Jun 02	FY 2003	Feb 03		FY 2004	

Date:

February 2002

MODIFICATION TITLE (Cont): HMMWV Rear Differential Oil Cooler [MOD 4] 1-98-06-4551

	FY 2	2000																		
	and l	Prior	FY 2	2001	FY 2	2002	FY 2	2003	FY 2	2004	FY 2	2005	FY 2	2006	FY 2	2007	Т	С	ТОТ	ΓAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity					2108	2.6	2108	2.6											4216	5.2
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip Kits																				
FY 2001 Kits																				
FY 2002 Equip Kits					2108	1.0													2108	1.0
FY 2003 Equip Kits							2108	1.0											2108	1.0
FY 2004 Equip Kits																				
FY 2005 Equip Kits																				
FY 2006 Equip Kits																				
FY 2007 Equip Kits																				
TC Equip- Kits																				
Total Installment		0.0		0.0	2108	1.0	2108	1.0		0.0		0.0		0.0		0.0		0.0	4216	2.0
Total Procurement Cost		0.0		0.0		3.6		3.6		0.0		0.0		0.0		0.0		0.0		7.2

MODIFICATION TITLE: HEMTT Wheel Modification [MOD 5] 1-00-06-0003

MODELS OF SYSTEM AFFECTED: All HEMTTs fielded prior to CY2000

### DESCRIPTION/JUSTIFICATION:

This is a Chief of Staff, United States Army (CSA) interest item. Implements Maintenance Work Order (MWO) No. 9-2320-279-20-9 to field retrofit a safer, bolt-together wheel design and tubeless tire. The HEMTT Wheel Modification program extends this safer configuration via retrofit of the fielded HEMTT fleet. Over the past few years, 59 soldierinjury split rim unique accidents have occurred for the 220 TACOM managed systems that use split rim design wheels. Of those accidents, 30 were specifically attributed to the HEMTT fleet, which also accounted for the two fatalities during 1999-2000. The accident rate is increasing despite Army-wide command focus on proper procedures. The PM HTV has implemented an expedited change to the production vehicle configuration to include a safer, bolt-together wheel design and tubeless tire.

### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Modification configuration is fully tested and has been applied to the production line as well as overhaul/Extended Service Program (ESP) vehicles. Initial Contract Award for retrofit planned for Feb 02. Delivery of retrofit kits and start of kit installation planned for 4 months after award, or Jun 2002. The program will be executed by Red River Army Depot (RRAD).

Installation Schedule:																					
	Pr Yr		FY	2001			FY 2	2002			FY 20	003			FY 20	04			FY 20	005	
	Totals	1	2		3 4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs							231	231	231	231	956	956	956	956	999	999	999	999	428	428	428
Outputs								231	231	231	231	956	956	956	956	999	999	999	999	428	428
		FY 2	2006			FY 2	2007			FY 20	800			FY 20	09			То			Totals
	1	2	3	4	1 1	2	3	4	1	2	3	4	1	2	3	4	Co	omplete			
Inputs	428																				10456
Outputs	428	428																			10456
METHOD OF IMPLEMEN	NTATION	:	Depot/Co	ontractor	Team	ADMINI	STRATIV	/E LEAD	TIME:	3	Months		P	RODUCT	ION LEA	DTIME	: 4	4 Months			
Contract Dates:			FY 2002	]	FY2002			FY 2003	Feb	02			F	Y 2004							
Delivery Date:			FY 2002	]	FY2002			FY 2003	May	02			F	Y 2004							

Date:

February 2002

MODIFICATION TITLE (Cont): HEMTT Wheel Modification [MOD 5] 1-00-06-0003

	FY :	2000																		
	and	Prior	FY 2	2001	FY 2	2002	FY 2	2003	FY 2	2004	FY 2	2005	FY 2	2006	FY 2	2007	Т	С	ТОТ	ΊΑL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity																				
Installation Kits					924	9.9	3824	37.5	3996	37.5	1712	16.1							10456	101.0
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other (PM Supt)																				
Installation of Hardware																				
FY 2000 & Prior Equip Kits																				
FY 2001 Kits																				
FY 2002 Equip Kits					924	1.1													924	1.1
FY 2003 Equip Kits							3824	4.7											3824	4.7
FY 2004 Equip Kits									3996	4.6									3996	4.6
FY 2005 Equip Kits											1712	1.9							1712	1.9
FY 2006 Equip Kits																				
FY 2007 Equip Kits																				
TC Equip- Kits																				
1																				
Total Installment		0.0		0.0	924	1.1	3824	4.7	3996	4.6	1712	1.9		0.0		0.0		0.0	10456	12.3
Total Procurement Cost		0.0		0.0		11.0		42.2		42.1		18.0		0.0		0.0		0.0		113.3

MODIFICATION TITLE: A8020 Fuel Injection Test Stand Upgrade [MOD 6] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: A8020

### DESCRIPTION/JUSTIFICATION:

The Fuel Injection Test Stand (FITS) is a machine to test and recalibrate specific fuel injectors that are a component in diesel engines used in all types of Army vehicles. The FITS is being upgraded to extend its useful life as projected 10-15 years. The upgrade is necessary due to the obsolescence of key components of the test stand designed with 1980 technology to connect with current known products and software in the trucks.

### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Description for Purchase (DFP) Jan 02 Solicitation - Jan 02 - Feb 02 1st Article Test - Sep 02

Installation Schedule:

Inputs Outputs

Pr Yr		FY 2	2001			FY 2	002			FY 2	2003			FY 2	2004			FY 2	2005	
Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
								2	2	3	3	3	3	3	3	3	3	3	3	3
									2	2	3	3	3	3	3	3	3	3	3	3

		FY 2	2006			FY 2	2007			FY	2008			FY	2009			To	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2		3	4	Complete	
Inputs																			37
Outputs	3																		37
A CETTAGE OF B CRITER CO.	TT A TION			. D. (D.)	amp amu	EIEID	TD (E		2.3.6			DD ODII	OTTO L	r E + D E	n (F	0.16 -1			

METHOD OF IMPLEMENTATION: C/FFP ADMINISTRATIVE LEADTIME: 3 Months

Contract Dates: FY 2002 Jan 01 FY 2003 FY 2004

9 Months

FY 2004

Delivery Date: FY 2002 Jan 02 FY 2003 FY 2004

Date:

February 2002

MODIFICATION TITLE (Cont): A8020 Fuel Injection Test Stand Upgrade [MOD 6] 0-00-00-0000

	FY :	2000	1																	
	and	Prior	FY 2	2001	FY 2	2002	FY 2	2003	FY 2	2004	FY 2	2005	FY 2	2006	FY 2	2007	Т	'C	ТОТ	`AL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity	5	1.0	32	6.0															37	7.0
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip Kits																				
FY 2001 Kits																				
FY 2002 Equip Kits																				
FY 2003 Equip Kits																				
FY 2004 Equip Kits																				
FY 2005 Equip Kits																				
FY 2006 Equip Kits																				
FY 2007 Equip Kits																				
TC Equip- Kits																				
Total Installment		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0
Total Procurement Cost		1.0		6.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		7.0
															_					

							IN	DIVIDUA	L MODIF	ICATION					Date:		February 2	2002		
MODIFICATION TITLE:	Aluminu	m Mesh I	Liner [MC	OD 7] 0-00	0000-000	)														
MODELS OF SYSTEM A	FFECTEI	<b>)</b> :																		
DESCRIPTION/JUSTIFIC	ATION:																			
FY02 Congressional	add for	aluminı	um mes	h liners.																
l																				
DEVELOPMENT STATU	S/MAJOF	R DEVEL	OPMEN	T MILEST	ONES:															
Installation Schedule:																				
	Pr Yr		FY 2				FY 200				2003			FY 2				FY 200		
Inputs	Totals	1	2	3	4	1	2	3	4	1 2	3	4	I	2	3	4	1	2	3	4
Outputs																				
	1	FY 2	2006 3	1	1	FY 2 2	3	4	1 F	Y 2008 2 3	4	1	FY 2	3	4	(	To Complete		Te	otals
Inputs	1	۷	J	7	1	L	3	7	1	2 3	7	1	۷	J	7	`	complete			0
Outputs																				
METHOD OF IMPLEMEN Contract Dates:	NTATION		FY 2002			ADMINIS	STRATIVE I	LEADTIM 2003	E:	0 Months	3		RODUC Y 2004	TION LE	EADTIM	E:	0 Months			
Delivery Date:			FY 2002					2003					Y 2004							
												•								

Date:

February 2002

MODIFICATION TITLE (Cont): Aluminum Mesh Liner [MOD 7] 0-00-00-0000

	FY 2	2000	1																	
		Prior	FY 2	2001	FY 2	2002	FY 2	2003	FY 2	2004	FY 2	2005	FY 2	2006	FY 2	2007	Т	С	TOT	TAL .
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity				7.5		3.5														11.0
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip Kits																				
FY 2001 Kits																				
FY 2002 Equip Kits																				
FY 2003 Equip Kits																				
FY 2004 Equip Kits																				
FY 2005 Equip Kits																				
FY 2006 Equip Kits																				
FY 2007 Equip Kits																				
TC Equip- Kits																				
Total Installment		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0
Total Procurement Cost		0.0		7.5		3.5		0.0		0.0		0.0		0.0		0.0		0.0		11.0

MODIFICATION TITLE: M872 Modification Hardware [MOD 8] 1-01-06-0007

MODELS OF SYSTEM AFFECTED: M872 Basics, A1s and A2s

### DESCRIPTION/JUSTIFICATION:

A significant portion of the M872 fleet was deadlined as a result of SOUM #01-008, signed by DA, in Feb 2001 and updated in Jun 01. The trailer's kingpin mounting structure has deteriorated over the fleet's 20 plus year service life due to age, rust and corrosion. Funds are allocated to buy the 5,050 kits needed to repair all M872 basics, A1s and A2s and to support our MWO program labor costs. Installation of repair kits is forcast to begin 2nd Qtr FY03 and last through 4th Qtr FY05. The kits will restore the fleet to fully mission capacity (FMC) status and effectively extend the trailer's service life an additional 10 to 15 years.

### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Hardware Procurement - Oct 02 Hardware Application - Jan 03 - Sep 05

Installation Schedule:																					
	Pr Yr		FY	2001			FY	2002			FY 20	03			FY 2	004			FY 20	005	
	Totals	1	2	2 3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs											471	471	471	471	472	472	444	444	444	445	445
Outputs											471	471	471	471	472	472	444	444	444	445	445
		FY	2006			FY 2	2007			FY 2	8008			FY 2	009			То			Totals
	1	2	. 3	4	1	2	3	4	1	2	3	4	1	2	3	4	C	omplete			
Inputs																					5050
Outputs																					5050
METHOD OF IMPLEM	ENTATION	N:	Depot fi	eld team		ADMINI	STRATI	VE LEAD	TIME:		1 Months		]	PRODUC	TION LE	ADTIME	Ξ:	1 Months			
Contract Dates:			FY 2002					FY 2003	Nov (	)3			]	FY 2004							
Delivery Date:			FY 2002					FY 2003	Dec 0	3			]	FY 2004							

Date:

February 2002

MODIFICATION TITLE (Cont): M872 Modification Hardware [MOD 8] 1-01-06-0007

l	FY 2	2000																		
	and l		FY 2	2001	FY 2	2002	FY 2	2003	FY 2	2004	FY 2	2005	FY 2	2006	FY 2	2007	T	С	ТОТ	'AL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity							2828	3.6	2222	2.8									5050	6.4
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip Kits																				
FY 2001 Kits																				
FY 2002 Equip Kits							2828	5.3											2828	5.3
FY 2003 Equip Kits FY 2004 Equip Kits							2828	3.3	2222	4.1									2828	5.5 4.1
FY 2004 Equip Kits FY 2005 Equip Kits									2222	4.1									2222	4.1
FY 2005 Equip Kits FY 2006 Equip Kits																				
FY 2000 Equip Kits FY 2007 Equip Kits																				
TC Equip- Kits																				
TO Equip- Kits																				
Total Installment		0.0		0.0		0.0	2828	5.3	2222	4.1		0.0		0.0		0.0		0.0	5050	9.4
Total Procurement Cost		0.0		0.0		0.0		8.9		6.9		0.0		0.0		0.0		0.0		15.8

MODIFICATION TITLE: HEMTT/PLS 4-Point Seatbelt [MOD 9] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: HEMTT/PLS Trucks in IBCT #1 and 2; and in FDD

### DESCRIPTION/JUSTIFICATION:

Beginning with November 2001 deliveries, the Heavy Expanded Mobility Tactical Truck (HEMTT) production configuration will include an improved Seat/4-Point SeatBelt. Palletized Load System (PLS) will follow in 2QFY02. This improved seat/seatbelt will significantly enhance crew safety, especially for rollover accidents. Historical data shows that rollovers are 25% of the heavy tactical vehicle accidents, but account for 50% of the fatalities. The vehicles in the First Digitized Division/Interim Brigade Combat Team (FDD/IBCT) have extensive C4 equipment installed on the doghouse between driver and passenger, which present new injury surfaces in the event of a rollover. The improved seat/seatbelt is required to preclude the soldiers striking this C4 equipment in FDD/IBCT vehicles fielded prior to production cut-in.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

ECP was cut into production Nov 2001. Retrofit begins April 2003.

Installation Schedule:																					
	Pr Yr		FY	2001			FY 2	2002			FY 20	03			FY 20	004			FY 2	005	
	Totals	1	2	. 3	4	. 1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs												79	210	210	210						
Outputs													79	210	210	210					
		FY:	2006			FY 2	2007			FY 2	8008			FY 20	009			То			Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	C	Complete			
Inputs																					709
Outputs																					709
METHOD OF IMPLEME	ENTATION	V:	Contract	or		ADMINI	STRATIV	VE LEAD	TIME:	2	2 Months		]	PRODUC	TION LE	ADTIME	B: -	4 Months			
Contract Dates:			FY 2002	Ι	Dec 02			FY 2003					]	FY 2004							
Delivery Date:			FY 2002	Α	pr 03			FY 2003					1	FY 2004							

Date:

February 2002

MODIFICATION TITLE (Cont): HEMTT/PLS 4-Point Seatbelt [MOD 9] 0-00-00-0000

	FY	2000	1																	
		Prior	FY 2	2001	FY 2	2002	FY 2	2003	FY:	2004	FY 2	2005	FY 2	2006	FY 2	2007	Т	°C	TOT	ΓAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity																				
Installation Kits							709	1.1											709	1.1
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip Kits																				
FY 2001 Kits																				
FY 2002 Equip Kits																				
FY 2003 Equip Kits							709	0.2											709	0.2
FY 2004 Equip Kits																				
FY 2005 Equip Kits																				
FY 2006 Equip Kits																				
FY 2007 Equip Kits																				
TC Equip- Kits																				
Total Installment		0.0		0.0		0.0	709	0.2		0.0		0.0		0.0		0.0		0.0	709	0.2
Total Procurement Cost		0.0		0.0		0.0		1.3		0.0		0.0		0.0		0.0		0.0		1.3
						2.0		5		2.5		2.0		2.5		2.0		2.0		

MODIFICATION TITLE: PLS Trailer Wheel Modification [MOD 10] TBD

MODELS OF SYSTEM AFFECTED: Fielded PLS Trailers

### DESCRIPTION/JUSTIFICATION:

This is a Chief of Staff, United States Army (CSA) interest item. The PM HTV has initiated an expedited change to the production vehicle configuration to include a safer, bolt-together wheel design. The Palletized Load System (PLS) Trailer currently uses the split-ring wheel configuration. Over the past few years, 59 soldier-injury split rim unique accidents have occurred for the 220 TACOM managed systems that use split rim design wheels. The overall TACOM-wide accident rate is increasing despite Army-wide command focus on proper procedures. This modification program will begin the change to the safer bolt together wheel configuration for the fielded PLS Trailer fleet.

### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

ECP cut into production is scheduled 3QFY02.

Contract award scheduled for Dec 2002 with initial delivery of retrofit hardware in May 2003.

_																				
Pr Yr		FY	2001			FY:	2002			FY 20	03			FY 2	2004			FY:	2005	
Totals	1	2	: 3	3 4	. 1	2	3	4	1	2	3	4	1	2	3		4 1	2		3 4
											95	200	300	300						
												95	200	300	300	)				
	FY 2	2006			FY 2	2007			FY 2	008			FY 20	009			То			Totals
1	2	3	. 4	1 1	2	3	4	1	2	3	4	1	2	3	4		Complete			
																				895
																				895
NTATION	I:	Contract	or		ADMINI	STRATI	VE LEAD	TIME:	2	2 Months		P	RODUC	TION LE	EADTIM	E:	5 Months			
		FY 2002	I	Dec 02			FY 2003					F	Y 2004							
		FY 2002		May 03			FY 2003					F	Y 2004							
	Totals	Totals 1  FY:  1 2  NTATION:	FY 2006  1 2 3  NTATION: Contract FY 2002	FY 2006  1 2 3 4  NTATION: Contractor FY 2002 1	Totals 1 2 3 4  FY 2006  1 2 3 4 1  NTATION: Contractor FY 2002 Dec 02	Totals         1         2         3         4         1           FY 2006         FY 2           1         2         3         4         1         2           NTATION:         Contractor         ADMINITY	Totals 1 2 3 4 1 2  FY 2006 FY 2007  1 2 3 4 1 2 3  NTATION: Contractor FY 2002 Dec 02  ADMINISTRATIVE	Totals         1         2         3         4         1         2         3           FY 2006         FY 2007           1         2         3         4         1         2         3         4           NTATION:         Contractor FY 2002         Dec 02         ADMINISTRATIVE LEAD FY 2003         FY 2003	Totals 1 2 3 4 1 2 3 4  FY 2006 FY 2007  1 2 3 4 1 2 3 4 1  NTATION: Contractor FY 2002 Dec 02 FY 2003	Totals         1         2         3         4         1         2         3         4         1           FY 2006         FY 2007         FY 2           1         2         3         4         1         2         3         4         1         2           NTATION:         Contractor FY 2002         Dec 02         ADMINISTRATIVE LEADTIME: FY 2003         2	Totals         1         2         3         4         1         2         3         4         1         2           FY 2006         FY 2007         FY 2008           1         2         3         4         1         2         3         4         1         2         3           NTATION:         Contractor FY 2002         Dec 02         ADMINISTRATIVE LEADTIME: PY 2003         2 Months	Totals 1 2 3 4 1 2 3 4 1 2 3 95  FY 2006 FY 2007 FY 2008  1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1	Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 95 200 95 200 95	Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 1 2 3 3 4 1 1 2 3 3 0 300 95 200 300 95 200	Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 3 0 300 300 300 95 200 300 300 95 200 300 300 95 200 300 300 95 200 300 95 200 300	Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2 1 3 4 1 1 2 1 3 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Totals 1 2 3 4 1 1 2 3 4 1 1 1 2 3 4 1 1 1 2 3 4 1 1 1 2 3 4 1 1 1 2 3 4 1 1 1 2 3 4 1 1 1 2 3 4 1 1 1 2 3 4 1 1 1 2 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Totals 1 2 3 4 1 1 2 3 4 1 1 2 1 3 1 4 1 2 1 3 1 4 1 2 1 3 1 4 1 2 1 3 1 4 1 2 1 3 1 4 1 1 1 2 1 3 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 1 2 1 3 4 1 1 2 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Date:

February 2002

MODIFICATION TITLE (Cont): PLS Trailer Wheel Modification [MOD 10] TBD

	FY	2000	ı																	
	and	Prior	FY :	2001	FY :	2002	FY 2	2003	FY 2	2004	FY 2	2005	FY 2	2006	FY 2	2007	Т	'C	TOT	TAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity							895	3.1											895	3.1
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip Kits																				
FY 2001 Kits																				
FY 2002 Equip Kits																				
FY 2003 Equip Kits							895	0.5											895	0.5
FY 2004 Equip Kits																				
FY 2005 Equip Kits																				
FY 2006 Equip Kits																				
FY 2007 Equip Kits																				
TC Equip- Kits																				
Total Installment		0.0		0.0		0.0	895	0.5		0.0		0.0		0.0		0.0		0.0	895	0.5
Total Procurement Cost		0.0		0.0		0.0	0,5	3.6		0.0		0.0		0.0		0.0		0.0	0,0	3.6
10m Hoodioment Cost		0.0		0.0		0.0		5.0		0.0		0.0		0.0		0.0		0.0		5.0

MODIFICATION TITLE: HMMWV 3PT Seatbelts-M996 Mini Ambulance [MOD 11] 1-01-06-0004

MODELS OF SYSTEM AFFECTED: HMMWV M996 Mini-Ambulances

### DESCRIPTION/JUSTIFICATION:

The M996 HMMWV 3-point seatbelt modification, MWO 9-2320-280-35-6, provides front three-point seatbelts to mini-ambulances. The current HMMWV lap belt is significantly less effective in preventing injuries than the 3-point seatbelt. The change to the 3 point seatbelt will reduce injury associated with accidents by reducing the severity of injuries and fatalities, and is a significant safety enhancement.

### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The 3 point seatbelts were added to the HMMWV vehicles in response to increased safety regulations. The 3Pt system was cut into production for all vehicle models beginning with vehicle number 100,000. Retrofit kits for pre 100,000 serial vehicle number vehicles were developed and modeled after the production version. This material change will be applied using one of the three hardware kits developed to cover the different vehicle configurations.

Installation Schedule:																					
	Pr Yr		FY 2	2001			FY 2	2002			FY 2	2003			FY 2	2004			FY 2	2005	
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	3 4	1 1	2	3	4
Inputs																					
Outputs																					
		FY 2	2006			FY 2	007			FY 2	2008			FY 2	2009			То			Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1 (	Complete			
Inputs				80	82	82	82														326
Outputs				80	82	82	82														326
METHOD OF IMPLEME	NTATION	I:	Depot fie	eld team		ADMINIS	STRATIV	/E LEAD	TIME:		0 Months		F	PRODUC	CTION LI	EADTIM	IE:	0 Months			
Contract Dates:			FY 2002					FY 2003					F	FY 2004							
Delivery Date:			FY 2002					FY 2003					F	Y 2004							

Date:

February 2002

MODIFICATION TITLE (Cont): HMMWV 3PT Seatbelts-M996 Mini Ambulance [MOD 11] 1-01-06-0004

	FY 2	2000	1																	
	•	Prior	FY 2	2001	FY 2	2002	FY 2	2003	FY 2	2004	FY 2	2005	FY 2	2006	FY 2	2007	T	°C	TOT	ΓAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement													326	0.1					326	0.1
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip Kits																				
FY 2001 Kits																				
FY 2002 Equip Kits																				
FY 2003 Equip Kits																				
FY 2004 Equip Kits																				
FY 2005 Equip Kits																				
FY 2006 Equip Kits													326	0.2					326	0.2
FY 2007 Equip Kits																				
TC Equip- Kits																				
Total Installment		0.0		0.0		0.0		0.0		0.0		0.0	326	0.2		0.0		0.0	326	0.2
Total Procurement Cost		0.0		0.0		0.0		0.0		0.0		0.0		0.3		0.0		0.0		0.3
		•	_	•	_		_			-	_		_		_		_			

MODIFICATION TITLE: HMMWV 3PT Seatbelts-M997 Maxi Ambulance [MOD 12] 1-01-06-0005

MODELS OF SYSTEM AFFECTED: HMMWV M997 Maxi-Ambulances

### DESCRIPTION/JUSTIFICATION:

The M997 HMMWV 3-point seatbelt modification, MWO 9-2320-280-35-4, provides front three-point seatbelts to maxi-ambulances. The current HMMWV lap belt is significantly less effective in preventing injuries than the 3-point seatbelt. The change to the 3-point seatbelt will reduce injury associated with accidents by reducing the severity of injuries and fatalities, and is a significant safety enhancement.

### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The 3-point seatbelts were added to the HMMWV vehicles in response to increased safety regulations. The 3-point seatbelt system was cut into production for all vehicle models beginning with vehicle number 100,000. Retrofit kits for pre 100,000 serial number vehicles were developed and modeled after the production version. This material change will be applied using one of the three hardware kits and template kits developed to cover the different vehicle configurations.

Installation Schedule:																					
	Pr Yr		FY 2	2001			FY 2	002			FY 2	2003			FY	2004			FY 2	2005	
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	3 .	4 1	2	3	4
Inputs																					
Outputs																					
		FY 2	2006			FY 2	007			FY 2	800			FY 2	2009			То			Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	4	Complete			
Inputs				430	430	430	430	430	430	430	431										3441
Outputs				430	430	430	430	430	430	430	431										3441
METHOD OF IMPLEME	NTATION	I:	Depot fie	ld team	1	ADMINIS	STRATIV	E LEAD	TIME:	4	Months		]	PRODUC	CTION L	EADTIN	1E:	6 Months			
Contract Dates:			FY 2002				]	FY 2003					1	FY 2004							
Delivery Date:			FY 2002				]	FY 2003					1	FY 2004							

Item No. 16 Page 27 of 32 Exhibit P-3a
167 Individual Modification

Date:

February 2002

MODIFICATION TITLE (Cont): HMMWV 3PT Seatbelts-M997 Maxi Ambulance [MOD 12] 1-01-06-0005

	FY 2	2000	1																	
		Prior	FY 2	2001	FY 2	2002	FY 2	2003	FY 2	2004	FY 2	2005	FY 2	2006	FY 2	2007	T	С	TOT	ʿAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement													3441	0.8					3441	0.8
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip Kits																				
FY 2001 Kits																				
FY 2002 Equip Kits																				
FY 2003 Equip Kits																				
FY 2004 Equip Kits																				
FY 2005 Equip Kits																				
FY 2006 Equip Kits													1768	1.1					1768	1.1
FY 2007 Equip Kits															1673	1.0			1673	1.0
TC Equip- Kits																				
Total Installment		0.0		0.0		0.0		0.0		0.0		0.0	1768	1.1	1673	1.0		0.0	3441	2.1
Total Procurement Cost		0.0		0.0		0.0		0.0		0.0		0.0	1/08	1.1	10/3	1.0		0.0	3441	2.1
Total Procurement Cost		0.0		0.0		0.0		0.0		0.0		0.0		1.9		1.0		0.0		2.9

MODIFICATION TITLE: HMMWV M997 Maxi-Ambulance A/C Upgrade [MOD 13] 1-02-06-0001

MODELS OF SYSTEM AFFECTED: HMMWV M997 Maxi-Ambulance

### DESCRIPTION/JUSTIFICATION:

Upgrade the M997 HMMWV ambulance air conditioning refrigerant. Currently, the refrigerant used has an adverse environmental impact. Army policy has directed the discontinuance of ozone depleting chemicals in Army vehicles in FY05. The current supply of M997 refrigerant will be depleted by FY05. This effort will modify to R-134a refrigerant, which complies with Federal Regulations and international agreements restricting the use of ozone depleting chlorofluorocarbon (CFC) gases. This is an environmental and supportability issue. The ozone-depleting refrigerant currently in M997 HMMWV ambulances will not be available after FY05. Ambulances will be unable to operate their air conditioning units, which is a medical requirement. Also, without the modification M997 HMMWV ambulances with functional air conditioning systems will continue using ozone-depleting refrigerant adversely impacting the environment.

### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Engineering effort to replace the M997 HMMWV ambulance air conditioning refrigerant is being initiated. The Engineering Change Proposal (ECP) is expected by 3rd Qtr FY03. Pending funding availability the contract for modification kits will be awarded at the beginning of FY04, and the application of MWO kits will start in the 4th Qtr FY04. This will allow the completion of field application by 1st Qtr FY06.

Installation Schedule:																					
	Pr Yr		FY	2001			FY 2	2002			FY 20	003			FY 2	2004			FY 2	2005	
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	6 4	4 1	2	3	4
Inputs																					
Outputs																					
		FY 2	2006			FY 2	2007			FY 2	800			FY 2	2009			To			Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	ļ (	Complete			
Inputs								623	623	623	623	623									3115
Outputs								623	623	623	623	623									3115
METHOD OF IMPLEME	NTATION	I:	Contract	or		ADMINI	STRATIV	/E LEAD	TIME:	4	Months		P	RODUC	TION L	EADTIM	Œ:	6 Months			
Contract Dates:			FY 2002					FY 2003					F	Y 2004							
Delivery Date:			FY 2002					FY 2003					F	Y 2004							

DA0924 MODIFICATION OF IN SVC EQUIP Item No. 16 Page 29 of 32 169 Exhibit P-3a Individual Modification

Date:

February 2002

MODIFICATION TITLE (Cont): HMMWV M997 Maxi-Ambulance A/C Upgrade [MOD 13] 1-02-06-0001

	FY '	2000	1																	
		Prior	FY 2	2001	FY 2	2002	FY 2	2003	FY 2	2004	FY 2	2005	FY 2	2006	FY 2	2007	Т	С	TOT	AL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement															3115	1.6			3115	1.6
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip Kits																				
FY 2001 Kits																				
FY 2002 Equip Kits																				
FY 2003 Equip Kits																				
FY 2004 Equip Kits																				
FY 2005 Equip Kits																				
FY 2006 Equip Kits																				
FY 2007 Equip Kits															3115	2.4			3115	2.4
TC Equip- Kits																				
Total Installment		0.0		0.0		0.0		0.0		0.0		0.0		0.0	3115	2.4		0.0	3115	2.4
Total Procurement Cost		0.0		0.0		0.0		0.0		0.0		0.0		0.0		4.0		0.0		4.0

MODIFICATION TITLE: High Mobility Trailer MWOs [MOD 14] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: High Mobility Trailers

### DESCRIPTION/JUSTIFICATION:

Funds to procure brake actuator MWO kits, M998 HMMWV crossmember MWO kits, and M1097 series HMMWV air-lift bumper reinforcement MWO kits for the High Mobility Trailers (HMT). These MWO kits provide full operational performance with increased effectiveness, and will reduce life cycle costs by reducing unscheduled maintenance. In addition, when kits are applied, the medium safety risk associated with catastrophic brake actuator failure will have been mitigated. PM required this funding to address the HMMWV/HMT system problems in order to meet the Required Operational Capability (ROC) of 15-mph average and 20-mph maximum cross-country speed and meet the conditions required by material release. Both the full material release and SOUM 01-010 require HMMWV kits to be applied on a 2:1 basis (two HMMWVs modified for each HMT fielded) in conjunction with HMT fielding.

### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Procured 7,112ea brake actuators, 7,442ea cross members, and 5,876ea air lift reinforcement kits in FY01. Kits application: Mar 01 - Sep 02

Installation Schedule:																						
	Pr Yr		FY 2	2001			FY 2	002			FY 2	2003			F	Y 2004	ļ			FY	2005	
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1		2	3	4	. 1	2		3 4
Inputs			518	518	519	519	519	519	519													
Outputs			518	518	519	519	519	519	519													
		FY 2	2006			FY 2	007			FY 2	2008			FY 2	2009				То			Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2		3	4	(	Complete			
Inputs																						3631
Outputs																						3631
METHOD OF IMPLEME	ENTATION	N:	Depot fie	ld team		ADMINIS	TRATIV	E LEAD	TIME:		0 Months			PRODUC	TION	LEAD'	TIME	:	0 Months			
Contract Dates:			FY 2002				]	FY 2003						FY 2004								
Delivery Date:			FY 2002				]	FY 2003						FY 2004								

Date:

February 2002

MODIFICATION TITLE (Cont): High Mobility Trailer MWOs [MOD 14] 0-00-00-0000

	FY :	2000	1																	
	and	Prior	FY 2	2001	FY 2	2002	FY 2	2003	FY 2	2004	FY 2	2005	FY 2	2006	FY :	2007	Т	'C	ТОТ	ΊΑL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity			3631	1.5															3631	1.5
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip Kits																				
FY 2001 Kits			3631	1.1															3631	1.1
FY 2002 Equip Kits																				
FY 2003 Equip Kits																				
FY 2004 Equip Kits																				
FY 2005 Equip Kits																				
FY 2006 Equip Kits																				
FY 2007 Equip Kits																				
TC Equip- Kits																				
Total Installment		0.0	3631	1.1		0.0		0.0		0.0		0.0		0.0		0.0		0.0	3631	1.1
Total Procurement Cost		0.0		2.6		0.0		0.0		0.0		0.0		0.0		0.0		0.0		2.6
											_	-	_	-						

Exl	hibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Da	nte:	I	February 2002								
Appropriation/Budget Ac Other Procurement, Army /1		vehicles				P-1 Item Nom ITE		AN \$5.0M (TA	C VEH) (DL5	5110)								
Program Elements for Co	ode B Items:			Code: A	Other Relat	ed Program Ele	ements:											
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 To Complete Total Prog											
Proc Qty									11 2000 11 2007 10 000000000000000000000									
Gross Cost	64.1	0.9	1.6	3.1	1.9	5.0	3.5	3.1	5.1	6.1		94.3						
Less PY Adv Proc																		
Plus CY Adv Proc																		
Net Proc (P-1)	64.1	0.9	1.6	3.1	1.9	5.0	3.5	3.1	5.1	6.1		94.3						
Initial Spares																		
Total Proc Cost	64.1	0.9	1.6	3.1	1.9	5.0	3.5	3.1	5.1	6.1		94.3						
Flyaway U/C																		
Wpn Sys Proc U/C																		

This equipment consists of various tools and shop sets essential to the maintenance of the Army's Worldwide Tactical Wheeled Vehicle Fleet. These sets include components as small as a screwdriver to as large as an International Standard Organizational (ISO) Shelter. The maintenance equipment and tools have multi-application to the maintenance organization tasked with maintaining tactical and support vehicles. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### Justification:

FY03 funding is required to support automotive common #1 and common #2 tool kit shortages. These Sets, Kits and Outfit's (SKO's) are on every readiness review. These tool sets are critical for units' maintenance of equipment. Other shop equipment that is required for units to properly maintain operations include basic auto repair shop equipment, and fuel and electric repair shop equipment.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/F Other Procured Tactical and su	ment, Army / 1	1 /			tem Nomenclature SS THAN \$5.0M (TA			Weapon System	Гуре:	Date: Februa	nry 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. Shop Equip, Auto Maint Suppl #1 4910-00-754-0706					276	5	56	175	5	35	175	5	35
2. Shop Equip, Fuel & Elec Sys Eng, FM 4940-00-754-0714					268	9	30	150	5	30			
3. Automotive Basic Common #1 4910-00-754-0654					265	10	27	256	8	32			
4. Automotive Basic Common #2 4910-00-754-0650					200	7	29						
5. Shop Equip Auto Maint & Repair 4910-00-754-0705					433	4	108	711	9	79	711	9	79
6. Shop Equip Auto Repair FM Suppl #2 4910-00-754-0707					460	4	115	275	5	55	275	5	55
7. Mechanical Maint Shelter 8. Standard Automative Tool Set (SATS) 9. Engineering Support 10. Fifth Wheel Towing Device					1195	3	399	140 72 111	1 2 1	140 36 111	3744 74	104 1	36 74
C													
Total					3097			1890			4979		

ent History and Planning							Date:	ebruary 2	:002
	Weapon Syste	em Type:							
Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
RIA Rock Island, Ilinois RIA Rock Island, Ilinois RIA Rock Island, Ilinois	REQN/FP REQN/FP REQN/FP	TACOM, Rock Island, IL TACOM, Rock Island, IL TACOM, Rock Island, IL	Oct 00 Oct 01 Oct 02	Nov 01 Nov 02 Nov 03	5 5 5	56 35 35	Y Y Y	N N N	
RIA Rock Island, Ilinois RIA Rock Island, Ilinois	REQN/FP REQN/FP	TACOM, Rock Island, IL TACOM, Rock Island, IL	Oct 00 Oct 01	Nov 01 Nov 02	9 5	30 30	Y Y	N N	
RIA Rock Island, Ilinois RIA Rock Island, Ilinois	REQN/FP REQN/FP	TACOM, Rock Island, IL TACOM, Rock Island, IL	Oct 00 Oct 01	Nov 01 Nov 02	10 8	27 32	Y Y	N N	
RIA Rock Island, Ilinois	REQN/FP	TACOM, Rock Island, IL	Oct 00	Nov 01	7	29	Y	N	
	RIA Rock Island, Ilinois	Contractor and Location  Contract Method and Type  RIA Rock Island, Ilinois REQN/FP	Weapon System Type:    Contract	Weapon System Type:    Contract Method and Type	Weapon System Type:  Contract Method and Type  RIA Rock Island, Ilinois REQN/FP TACOM, Rock Island, IL Oct 00 Nov 01 Nov 02 RIA Rock Island, Ilinois REQN/FP TACOM, Rock Island, IL Oct 01 Nov 02 Nov 03  RIA Rock Island, Ilinois REQN/FP TACOM, Rock Island, IL Oct 00 Nov 01 Nov 02 RIA Rock Island, Ilinois REQN/FP TACOM, Rock Island, IL Oct 00 Nov 01 Nov 02  RIA Rock Island, Ilinois REQN/FP TACOM, Rock Island, IL Oct 00 Nov 01 Nov 02	Weapon System Type:    P-1 Line Item Nomence ITEMS LESS THAN \$5.0M (ITEMS LESS THAN \$5.0M (	Weapon System Type:    P-1 Line   Item Nomenclature:   ITEMS LESS THAN \$5.0M (TAC VEH) (DL5110)	Weapon System Type:    Contract Method and Type   Location of PCO   Award Date   Date of First   QTY   Unit Cost   Specs   Avaid Now?	RIA Rock Island, Ilinois REQN/FP TACOM, Rock Island, IL RE

Exhibit P-5a, Budget Procuremen	t History and Planning							Date: F	ebruary 2	002
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support vehicles		Weapon Syste	em Type:			em Nomeno THAN \$5.0M (T	elature: AC VEH) (DL5110)			
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
4910-00-754-0650										
5. Shop Equip Auto Maint & Repair										
FY 2001 FY 2002 FY 2003 <b>4910-00-754-0705</b>	RIA Rock Island, Ilinois RIA Rock Island, Ilinois RIA Rock Island, Ilinois	REQN/FP REQN/FP REQN/FP	TACOM, Rock Island, IL TACOM, Rock Island, IL TACOM, Rock Island, IL	Oct 00 Oct 01 Oct 02	Nov 01 Nov 02 Nov 03	4 9 9	108 79 79	Y Y Y	N N N	
6. Shop Equip Auto Repair FM Suppl #2										
FY 2002 FY 2003 <b>4910-00-754-0707</b>	RIA Rock Island, Ilinois RIA Rock Island, Ilinois	REQN/FP REQN/FP	TACOM, Rock Island, IL TACOM, Rock Island, IL	Oct 01 Oct 02	Nov 02 Nov 03	5 5	55 55	Y Y	N N	
7. Mechanical Maint Shelter										
FY 2002 8. Standard Automative Tool Set (SATS)	RIA Rock Island, Ilinois	REQN/FP	TACOM, Rock Island, IL	Oct 01	Nov 02	1	140	Y	N	
FY 2002 FY 2003	RIA Rock Island, Ilinois RIA Rock Island, Ilinois	REQN/FP REQN/FP	TACOM, Rock Island, IL TACOM, Rock Island, IL	Oct 01 Oct 02	Nov 02 Nov 03	2 104	36 36	Y Y	N N	
REMARKS:										

Exhibit P-5a, Budget Procureme	ent History and Planning							Date: F	ebruary 2	002
propriation/Budget Activity/Serial No: ther Procurement, Army / 1 / Tactical and support vehicles		Weapon Syste	em Type:			em Nomeno THAN \$5.0M (T	elature: AC VEH) (DL5110)			
BS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP I Dat
P. Engineering Support FY 2002 FY 2003 10. Fifth Wheel Towing Device FY 2001	RIA Rock Island, Ilinois RIA Rock Island, Ilinois True Hitch Torrington, CT	PWD PWD MIPR	TACOM, Rock Island, IL TACOM, Rock Island, IL  True Hitch, Torrington, CT	Oct 01 Oct 02 May 01	Nov 01 Nov 02 Aug 01	3	111 74 399	Y Y Y	N N	

Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	D	ate:	I	February 2002		
Appropriation/Budget Act Other Procurement, Army /1/		vehicles				P-1 Item Nom HEA		RED SEDAN (I	D22100)			
Program Elements for Coo	de B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty		54	3	6	3	6	29					101
Gross Cost		5.3	0.5	1.1	0.6	0.6	2.6					10.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		5.3	0.5	1.1	0.6	0.6	2.6					10.6
Initial Spares												
Total Proc Cost		5.3	0.5	1.1	0.6	0.6	2.6					10.6
Flyaway U/C												
Wpn Sys Proc U/C												

These vehicles are standard commercial design vehicles that are armored in accordance with U.S. State Department guidelines/requirements for either Light Armored Vehicles (LAV) and for Heavy Armored Vehicles (HAV). The degree of armor is in accordance with the nature and degree of threat in the area of use. These vehicles range from sedans to sport utility vehicles and are utilized by high level (General Officer) and visiting dignitaries, who may be seen as terrorist targets. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

#### **Justification:**

FY03 procures armored commercial vehicles to replace overage/over-mileage vehicles, or to fill other urgent armored vehicle requirements that may originate due to U.S. involvement in Outside the Continental United States (OCONUS) operations. All Theatre areas with U.S. Service personnel do an "Area Threat Assessment" each year. This assessment indicates the potential threat to the lives of personnel in those areas and determines the level of degree to which the vehicles should be armored (LAV of HAV) to avoid loss of life to U.S. personnel.

This program was provided a supplemental fund called Defense Emergency Response Fund (DERF), as a non-add, for the following fiscal years with amounts: FY03 \$10.7M, FY04 \$100K, FY05 \$200K, FY06 \$100K, FY07 \$600K.

Ext	nibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	I	February 2002		
Appropriation/Budget Ac Other Procurement, Army /1/		vehicles				P-1 Item Nom PAS		ARRYING VEI	HICLES (D230	000)		
Program Elements for Co	de B Items:			Code: A	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty		27	20	35	29	10	38					159
Gross Cost	259.2	0.5	0.6	0.7	1.1	0.3	1.2					263.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	259.2	0.5	0.6	0.7	1.1	0.3	1.2					263.5
Initial Spares												
Total Proc Cost	259.2	0.5	0.6	0.7	1.1	0.3	1.2					263.5
Flyaway U/C												
Wpn Sys Proc U/C												

Vehicles are of standard design, intended to provide transportation for Army personnel and family members. Vehicles are procurable from commercial production lines, which includes sedans, ambulances, buses, station wagons, and hearses. Passenger Carrying vehicles (primarily sedans) are used for investigation, field intelligence, and security. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### Justification:

FY03 procures Passenger Carrying Vehicles that are urgently required to satisfy priority requirements, fill existing worldwide shortages, and replace overage/over-mileage vehicles. Fielding of sedans, buses and ambulances will alleviate excessive downtime, reduce maintenance and repair costs, and maximize mission capabilities of users (primarily Outside the Continental United States (OCONUS) activities).

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	Γ	ate:	F	February 2002		
Appropriation/Budget Activ Other Procurement, Army /1/Ta		vehicles				P-1 Item Nom Non		icles, Other (D3	0000)			
Program Elements for Code	e B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	63881											63881
Gross Cost	616.5	17.2	30.3	8.2	5.4	1.8	6.4	0.6	0.6	0.7		687.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	616.5	17.2	30.3	8.2	5.4	1.8	6.4	0.6	0.6	0.7		687.6
Initial Spares												
Total Proc Cost	616.5	17.2	30.3	8.2	5.4	1.8	6.4	0.6	0.6	0.7		687.6
Flyaway U/C												
Wpn Sys Proc U/C												

This line is a roll of Special Purpose Vehicles, General Purpose Vehicles, and the Personnel Carrying Semi-Trailer Vans. Special and General Purpose vehicles are used in the direct support of facility engineering, maintenance activities, and used for general administrative use in transporting personnel and cargo. Personnel Carrying Semi-Trailer Vans are used for transporting U.S. Military personnel and their equipment to training sites. All vehicles are procurable from commercial sources. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### Justification:

FY03 procures Non-Tactical Vehicles, needed to fill existing worldwide shortages and to replace unsafe, overage and over mileage, and/or uneconomical to repair Non-Tactical Vehicles. Supplemental funding has been authorized for Weapons of Mass Destruction: \$26,928,000 for FY 00, and \$5,650,000 for FY 01.

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	Date: February 2002									
Appropriation/Budget Activ Other Procurement, Army /1/Ta		vehicles				P-1 Item Nom SEN		VAN PERS 80	PASS 7T 2WI							
Program Elements for Code	B Items:			Code: A	Other Relate	ed Program El	ements:									
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog				
Proc Qty					17		11					28				
Gross Cost					3.0	0.1	3.0					6.1				
Less PY Adv Proc																
Plus CY Adv Proc																
Net Proc (P-1)					3.0	0.1	3.0					6.1				
Initial Spares																
Total Proc Cost					3.0	0.1	3.0					6.1				
Flyaway U/C																
Wpn Sys Proc U/C																

This Semi-Trailer is of standard commercial design and is pulled by a Tractor Truck. It is intended for the transportation of military personnel and their equipment to and from installation training sites. The Personnel Carrying Semi-Trailer Van is procurable from commercial sources. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### Justification:

FY03 procures engineering support or modifications for the prototype Personnel Carrying Semi-Trailer Van. These Semi-Trailers are urgently needed to replace overage, obsolete, extremely poor condition, and potentially unsafe Semi-Trailers currently being used to transport military personnel and their equipment to training sites. Total Army Acquisition Objective (AAO) is 86.

Exhi	ibit P-40	, Budge	D	Date: February 2002														
Appropriation/Budget Activ Other Procurement, Army /1/Ta		vehicles			P-1 Item Nomenclature GENERAL PURPOSE VEHICLES (DV0013)													
Program Elements for Code	e B Items:			Code: A	Other Relate	Other Related Program Elements:												
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog						
Proc Qty	48354	27	26	26	26	16	49					48524						
Gross Cost	371.0	2.4	2.2	1.4	1.5	0.6	2.3	3 0.6 0.6		0.7		383.1						
Less PY Adv Proc																		
Plus CY Adv Proc																		
Net Proc (P-1)	371.0	2.4	2.2	1.4	1.5	0.6	2.3	0.6	0.6	0.7		383.1						
Initial Spares																		
Total Proc Cost	371.0	2.4	2.2	1.4	1.5	0.6	2.3	0.6	0.6	0.7		383.1						
Flyaway U/C																		
Wpn Sys Proc U/C					·													

Vehicles are of standard commercial design, intended primarily for general administrative use in transporting personnel and cargo. Vehicles are procurable from commercial production lines and include light to heavy trucks, such as carryalls, panel trucks, stake trucks, cargo trucks, trailers, semi trailers, utility trucks, fuel servicing tankers, truck tractors and flatbeds. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### Justification:

FY03 procures General Purpose Vehicles; which are urgently required to satisfy high priority requirements, fill existing worldwide shortages, replace overage/over mileage vehicles, and to fill new requirements for the recovery of remains of Prisoner Of War/Missing In Action (POW/MIA) in North Korea. Carryalls, utility trucks, and cargo trucks are needed at Outside the Continental United States (OCONUS) locations where General Services Administration (GSA) leasing is not available. Carryalls are also needed for covert OCONUS activities. Fielding of new General Purpose Vehicles will alleviate excessive downtime, reduce maintenance and repair costs, and provide greater operational safety.

Exh	ibit P-40	, Budge	Date: February 2002														
Appropriation/Budget Acti Other Procurement, Army /1/T		vehicles			P-1 Item Nomenclature SPECIAL PURPOSE VEHICLES (DV0014)												
Program Elements for Cod	e B Items:			Code: A	Other Related Program Elements:												
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog					
Proc Qty	15527	10	10	11	10	6	6					15580					
Gross Cost	245.5	14.8	28.1	6.9	0.9	1.0	1.1					298.4					
Less PY Adv Proc																	
Plus CY Adv Proc																	
Net Proc (P-1)	245.5	14.8	28.1	6.9	0.9	1.0	1.1					298.4					
Initial Spares																	
Total Proc Cost	245.5	14.8	28.1	6.9	0.9	1.0	1.1					298.4					
Flyaway U/C																	
Wpn Sys Proc U/C																	

Vehicles are commercially designed for specialized use in direct support of facility engineering, maintenance and similar activities within an organization. Examples of these vehicles include maintenance trucks; servicing platform trucks, refuse trucks, and other vehicles with mounted equipment. The maintenance on these vehicles is managed by either their age or mileage. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### Justification:

FY03 procures new Special Purpose Vehicles, which will provide for greater operational safety, alleviate excessive downtime, reduce maintenance and repair costs and maximize the mission capabilities of users. Most Special Purpose Vehicles are not being converted to General Services Administration (GSA) lease; therefore support to the health and welfare missions of the field must continue to be provided by procurement. All budgeted procurements of non-tactical vehicles are urgently required to satisfy high priority requirements, fill existing worldwide shortages and replace overage/over mileage/substitute vehicles. Service platform, maintenance, and refuse trucks are required to continue the engineering support mission necessary to the operation of posts, camps, and stations worldwide. Supplemental funding has been authorized for the execution of Weapons of Mass Destruction requirement - Unified Command Suites (UCS) and Mobile Analytical Labs (MALS). FY00 funding totals \$26,928,000 - \$19,822,000 for UCS and \$7,106,000 for MALS. For FY01, Congress has appropriated an additional \$5,650,000.

Exhibit P-5, Weapon OPA1 Cost Analysis		Appropriation/F Other Procure Tactical and st	ment, Army /	1 /		P-1 Line I SPECIAL P	tem Nomenclature PURPOSE VEHICLE	e: ES (DV0014)		Weapon System	Гуре:	Date: Februa	ary 2002
OPA1	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Special Purpose Vehicles     Unified Command Suites (UCS)     Acceptance Testing     System Fielding Support     Management Support     Engineering Support					1234 4804 216 160 110 360	7 4	177 1201		6		1036		173
Total					6884			920			1036		

Exhibit P-5a, Budget Procuremen	Exhibit P-5a, Budget Procurement History and Planning													
Appropriation/Budget Activity/Serial No: Other Procurement, Army / 1 / Tactical and support vehicles		Weapon Syste	em Type:		P-1 Line Item Nomenclature: SPECIAL PURPOSE VEHICLES (DV0014)									
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date				
FY 2001 FY 2002 FY 2003  2. Unified Command Suites (UCS) FY 2001	Various TBS TBS  NAVAIRWARCENACDIV Inlgoes, MD	MIPR/FP MIPR/FP MIPR/FP Option	GSA GSA Various	Feb 01 Feb 02 Jan 03 Oct 01	Oct 01 Sep 02 Aug 03 Jul 02	7 6 6 4	177 154 173 1201	Yes Yes Yes	NA NA NA Yes					

	FY 02 / 03 BUDGET P	PROD	UCTION	SCH	IEDUL	E			Item N				ICLE	S (DV	V0014	l)							Date: February 2002										
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2.	Unified Command Suites (UCS)																								$\vdash$			+	H				
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