

DEPARTMENT OF THE ARMY

Procurement Programs



Committee Staff Procurement Backup Book
Fiscal Year (FY) 2009 Budget Estimates

WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

APPROPRIATION

February 2008

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

APPROPRIATION LANGUAGE

For construction, procurement, production, and modification of weapons and tracked combat vehicles, equipment, including ordnance, spare parts, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefore, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$3,687,077,000, to remain available for obligation until September 30, 2011.

*** UNCLASSIFIED ***
DEPARTMENT OF THE ARMY

EXHIBIT P-1

FY 2009 PROCUREMENT PROGRAM (WORKSETS INCLUDED)
President's Budget 2009

DATE:

16-Jan-2008

8:21

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APPROPRIATION SUMMARY

APPROPRIATION

DOLLARS IN THOUSANDS

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>PAGE</u>
Procurement of W&TCV, Army	8,337,083	4,430,908	3,687,077	3
TOTAL PROCUREMENT PROGRAM	8,337,083	4,430,908	3,687,077	

APPROPRIATION

Procurement of W&TCV, Army

ACTIVITY

DOLLARS IN THOUSANDS

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>PAGE</u>
01 Tracked combat vehicles	7,098,838	3,443,006	2,964,598	4
02 Weapons and other combat vehicles	1,238,245	987,902	722,479	6
APPROPRIATION TOTALS	8,337,083	4,430,908	3,687,077	

TRACKED COMBAT VEHICLES

		<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
1	ABRAMS TRNG DEV MOD (GA5208)	895		
2	BRADLEY PROGRAM (G80718) B	2,080,047	839,466	171,989
3	BRADLEY TRAINING DEVICES (MOD) (GZ2500) A	4,363	4,652	4,386
4	ABRAMS TANK TRAINING DEVICES (GB1300) A	809		
5	STRYKER VEHICLE (G85100)	1,430,583	959,730	1,174,947
6	Future Combat Systems: (FCS) (G86100)		(52,832)	(156,519)
	Less: Advance Procurement (PY)			<u>(-28,100)</u>
			52,832	128,419
7	Future Combat Systems: (FCS) (G86100) Advance Procurement (CY)		28,100	26,164
8	FCS SPIN OUTS (G86200) B			(181,866)

	Less: Advance Procurement (PY)				<u>(-19,987)</u>
9	FCS SPIN OUTS (G86200)				161,879
	Advance Procurement (CY)			19,987	14,788
	<i>SUB-ACTIVITY TOTAL</i>		<u>3,516,697</u>	<u>1,904,767</u>	<u>1,682,572</u>
<i>MODIFICATION OF TRACKED COMBAT VEHICLES</i>					
10	CARRIER, MOD (GB1930)	A	171,341		
11	FIST VEHICLE (MOD) (GZ2300)		176,447	100,161	33,426
12	BRADLEY PROGRAM (MOD) (GZ2400)	A	204,896	85,357	311,925
13	HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)	A	44,384	22,471	28,913
14	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)	A	358,737	258,486	132,701
15	ARMORED BREACHER VEHICLE (G82925)	A		41,219	34,713
16	ARMORED VEH LAUNCH BRIDGE (AVLB) (MOD) (GZ3000)	A	35,789		
17	JOINT ASSAULT BRIDGE (GZ3001)	A		12,840	40,464
18	M1 ABRAMS TANK (MOD) (GA0700)	A	828,501	784,997	341,569
19	SYSTEM ENHANCEMENT PGM: SEP M1A2 (GA0730)	B	1,153,637		
20	ABRAMS UPGRADE PROGRAM (GA0750)	A	596,351	225,000	351,179
	<i>SUB-ACTIVITY TOTAL</i>		<u>3,570,083</u>	<u>1,530,531</u>	<u>1,274,890</u>
<i>SUPPORT EQUIPMENT AND FACILITIES</i>					
21	ITEMS LESS THAN \$5.0M (TCV-WTCV) (GL3100)		420		
22	PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050)		11,638	7,708	7,136
	<i>SUB-ACTIVITY TOTAL</i>		<u>12,058</u>	<u>7,708</u>	<u>7,136</u>
	ACTIVITY TOTAL		<u>7,098,838</u>	<u>3,443,006</u>	<u>2,964,598</u>
<i>WEAPONS AND OTHER COMBAT VEHICLES</i>					
23	HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)	A	37,780	101,015	118,431
24	M240 Medium Machine Gun (7.62mm) (G13000)	A	103,414	44,780	61,334
25	MACHINE GUN, CAL .50 M2 ROLL (GB2000)	A	41,369	32,099	99,881
26	M249 SAW Machine Gun (5.56mm) (G12900)	A	28,815	44,275	22,134
27	MK-19 Grenade Machine Gun (40mm) (G13400)	A	53,639	36,202	17,328
28	Mortar Systems (G02200)		35,212	8,963	15,500

29	M107, CAL. 50, SNIPER RIFLE (G01500)		3,243	414	223
30	XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)	A	4,471	26,942	31,756
31	XM110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)	A	7,588	10,389	7,407
32	M4 Carbine (G14904)	A	100,624	105,109	151,055
33	SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)	A		7,853	9,097
34	Common Remotely Operated Weapons Station (CROWS) (G04700)		237,400	29,693	
35	FUTURE HANDGUN SYSTEM (FHS) (G15325)	A			3,468
36	HOWITZER LT WT 155MM (T) (G01700)		172,194	410,972	113,205
	<i>SUB-ACTIVITY TOTAL</i>		<u>825,749</u>	<u>858,706</u>	<u>650,819</u>
<i>MODIFICATION OF WEAPONS AND OTHER COMBAT VEHICLES</i>					
37	MK-19 Grenade Machine Gun MODS (GB3000)		3,155	6,222	7,654
38	M4 CARBINE MODS (GB3007)	A	160,561	17,594	16,796
39	M2 50 Cal Machine Gun MODS (GB4000)	B	6,000	17,057	
40	M249 SAW Machine Gun MODS (GZ1290)		18,788	18,777	7,088
41	M240 Medium Machine Gun MODS (GZ1300)	A	8,863	11,621	21,128
42	PHALANX MODS (GL1000)	A	150,000		
43	M119 MODIFICATIONS (GC0401)	A	689	1,782	964
44	M16 RIFLE MODS (GZ2800)	A	2,955	5,905	1,181
45	MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) (GC0925)		23,593	9,772	3,763
	<i>SUB-ACTIVITY TOTAL</i>		<u>374,604</u>	<u>88,730</u>	<u>58,574</u>
<i>SUPPORT EQUIPMENT AND FACILITIES</i>					
46	ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)		7,095	7,511	2,187
47	PRODUCTION BASE SUPPORT (WOCV-WTCV) (GC0050)		6,306	27,380	6,545
48	INDUSTRIAL PREPAREDNESS (GC0075)		12,817	1,181	3,104
49	SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) (GC0076)		10,941	4,394	1,250
50	REF Small Arms (G15400)	A	560		
51	CLOSED ACCOUNT ADJUSTMENTS (GC9500)		173		
	<i>SUB-ACTIVITY TOTAL</i>		<u>37,892</u>	<u>40,466</u>	<u>13,086</u>
	ACTIVITY TOTAL		<u>1,238,245</u>	<u>987,902</u>	<u>722,479</u>

APPROPRIATION TOTAL

8,337,083

4,430,908

3,687,077

*** UNCLASSIFIED ***

EXHIBIT P-1
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008	G86200	FCS SPIN OUTS	39
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010	GB1930	CARRIER, MOD	52
011	GZ2300	FIST VEHICLE (MOD)	56
012	GZ2400	BRADLEY PROGRAM (MOD)	61
013	GA0400	HOWITZER, MED SP FT 155MM M109A6 (MOD)	71
014	GA0570	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	79
015	G82925	ARMORED BREACHER VEHICLE	85
016	GZ3000	ARMORED VEH LAUNCH BRIDGE (AVLB) (MOD)	90
017	GZ3001	JOINT ASSAULT BRIDGE	94
018	GA0700	M1 ABRAMS TANK (MOD)	99
019	GA0730	SYSTEM ENHANCEMENT PGM: SEP M1A2	117
020	GA0750	ABRAMS UPGRADE PROGRAM	122
021	GL3100	ITEMS LESS THAN \$5.0M (TCV-WTCV)	130
022	GA0050	PRODUCTION BASE SUPPORT (TCV-WTCV)	131
023	G01300	HOWITZER, LIGHT, TOWED, 105MM, M119	135
024	G13000	M240 Medium Machine Gun (7.62mm)	141
025	GB2000	MACHINE GUN, CAL .50 M2 ROLL	150
026	G12900	M249 SAW Machine Gun (5.56mm)	160
027	G13400	MK-19 Grenade Machine Gun (40mm)	167
028	G02200	Mortar Systems	173
029	G01500	M107, CAL. 50, SNIPER RIFLE	183
030	G01501	XM320 GRENADE LAUNCHER MODULE (GLM)	187
031	G01505	XM110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS)	192
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038	GB3007	M4 CARBINE MODS	230
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040	GZ1290	M249 SAW Machine Gun MODS	246
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044	GZ2800	M16 RIFLE MODS	271
045	GC0925	MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV)	277
046	GL3200	ITEMS LESS THAN \$5.0M (WOCV-WTCV)	283
047	GC0050	PRODUCTION BASE SUPPORT (WOCV-WTCV)	290
048	GC0075	INDUSTRIAL PREPAREDNESS	298
049	GC0076	SMALL ARMS EQUIPMENT (SOLDIER ENH PROG)	302
050	G15400	REF Small Arms	307
051	GC9500	CLOSED ACCOUNT ADJUSTMENTS	308

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
ABRAMS TRNG DEV MOD (GA5208)

Program Elements for Code B Items: Code: A Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	64.2	0.9								65.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	64.2	0.9								65.1
Initial Spares										
Total Proc Cost	64.2	0.9								65.1
Flyaway U/C										
Weapon System Proc U/C										

Description:
Funds MODS to design hardware and software modifications to existing equipment required to keep Abrams simulators current with the fielded Abrams Tank fleet. The training equipment supports units at U.S. Army Forces Command (FORSCOM), U.S. Army, Europe (USAREUR), U.S. Army Training and Doctrine Command (TRADOC), and Army Reserve units. These modifications are less expensive than buying new equipment.

Justification:
FY2009 has no funding.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
BRADLEY PROGRAM (G80718)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:
0203735.371

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	3155	670	206	21	12	19			285	4368
Gross Cost	6786.1	2080.0	839.5	172.0	144.8	162.5	7.4	8.1	1651.5	11852.0
Less PY Adv Proc	22.5									22.5
Plus CY Adv Proc	22.5									22.5
Net Proc P1	6786.1	2080.0	839.5	172.0	144.8	162.5	7.4	8.1	1651.5	11852.0
Initial Spares	82.1									82.1
Total Proc Cost	6868.2	2080.0	839.5	172.0	144.8	162.5	7.4	8.1	1651.5	11934.0
Flyaway U/C										
Weapon System Proc U/C	2.2	3.1	4.1	8.2	12.1	8.6			5.8	43.9

Description:

The Bradley Program recapitalizes (RECAP) earlier variants of the Bradley to A2 Operation Desert Storm (ODS) and A3 variants. The Bradley A2 ODS provides greater lethality, survivability, and sustainability and remains complementary with the M1A1 AIM (Abrams Integrated Management) tank. The Bradley A3 is also not only more lethal, survivable, sustainable but provides enhanced command and control, improved situational awareness and enemy/friendly force location. The Bradley A3 will maintain combat overmatch over current and future threat forces and teams with the M1A2 Abrams SEP (System Enhancement Program) tank capabilities. All systems will be acquired through the Bradley Integrated Management (BIM) process which is a Public-Private Partnership between the original equipment manufacture (OEM), BAE, and Red River Army Depot. The BIM process provides long-term sustainment and modernization of the Bradley Vehicle Fleet.

Justification:

FY2009 procures 21 A3 vehicles and support for both government and Original Equipment Manufacturer engineering efforts necessary to maintain the on-going Bradley RECAP Program activities supporting previous vehicle procurement buys and the preparation for future vehicle modernization efforts.

FY2007 funding total includes \$1,923.300 million received in GWOT supplemental.

FY2008 funding total includes \$700.100 million received in the Consolidated Appropriations Act, 2008 (P.L. 110-161).

FY2008 funding totals do not include \$921.000 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: BRADLEY PROGRAM (G80718)	Weapon System Type:	Date: February 2008
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WTCV Cost Elements	ID	FY 07			FY 08			FY 09		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
BRADLEY PROGRAM (A2)					92924					
BRADLEY PROGRAM (A3)		2080047	670	3105	746542	206	3624	171989	21	8190
Total:		2080047			839466			171989		

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
BRADLEY PROGRAM (M2A2/) (G80716)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	987									987
Gross Cost	2583.3		92.9							2676.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	2583.3		92.9							2676.3
Initial Spares										
Total Proc Cost	2583.3		92.9							2676.3
Flyaway U/C										
Weapon System Proc U/C	2.6									2.6

Description:

The Bradley Program recapitalizes (RECAP) the Bradley A2 platform into the Bradley A2 Operation Desert Storm (ODS), and funds the fielding of the various Bradley vehicles to Active and Reserve component forces. The ODS upgrade increases the lethality, survivability, and sustainability of older A2 platforms by adding a laser range finder, global positioning and inertial navigation systems, enhanced armor protection, and a spall liner.

Justification:

FY2009 has no funding.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: BRADLEY PROGRAM (M2A2/) (G80716)			Weapon System Type:	Date: February 2008					
WTCV Cost Elements		ID	FY 07			FY 08			FY 09		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
ODS Program ODS Vehicles Other GFE (New) Other GFE (Reman) ODS Situational Awareness Contractor Engineering Government Engineering Project Management Administration Reimbursable Matrix Support System Test and Evaluation Peculiar Support Equipment Fielding Total:						92924					
					92924						

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
BRADLEY PROGRAM (M2A3) (G80717)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:
0203735.371

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	1158	670	206	21	12	19			285	2371
Gross Cost	3652.7	2080.0	746.5	172.0	144.8	162.5	7.4	8.1	1651.5	8625.7
Less PY Adv Proc	22.5									22.5
Plus CY Adv Proc	22.5									22.5
Net Proc P1	3652.7	2080.0	746.5	172.0	144.8	162.5	7.4	8.1	1651.5	8625.7
Initial Spares	82.1									82.1
Total Proc Cost	3734.8	2080.0	746.5	172.0	144.8	162.5	7.4	8.1	1651.5	8707.7
Flyaway U/C										
Weapon System Proc U/C	3.2	3.1	3.6	8.2	12.1	8.6			5.8	44.5

Description:

The Bradley Program recapitalizes (RECAP) earlier variants of the Bradley to A2 Operation Desert Storm (ODS) and A3 variants. The Bradley A2 ODS provides greater lethality, survivability, and sustainability and remains complementary with the M1A1 AIM (Abrams Integrated Management) tank. The Bradley A3 is also not only more lethal, survivable, sustainable but provides enhanced command and control, improved situational awareness and enemy/friendly force location. The Bradley A3 will maintain combat overmatch over current and future threat forces and teams with the M1A2 Abrams SEP (System Enhancement Program) tank capabilities. All systems will be acquired through the Bradley Integrated Management (BIM) process which is a Public-Private Partnership between the original equipment manufacture (OEM), BAE, and Red River Army Depot. The BIM process provides long-term sustainment and modernization of the Bradley Vehicle Fleet.

Justification:

FY2009 procures 21 A3 vehicles and support for both government and Original Equipment Manufacturer technology insertion efforts necessary to maintain the on-going Bradley RECAP Program activities and prepare for future vehicle modernization efforts.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature: BRADLEY PROGRAM (M2A3) (G80717)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000
HARDWARE											
Vehicle		A	1470175	670	2194	483680	206	2348	70918	21	3377
Forward Looking Infrared (FLIR)			135470			47399			4051		
Other GFE New			98385			46732			3246		
Other GFE Reman			7115						455		
Sub total			1711145			577811			78670		
Other Production Cost											
Engineering - Government			10576			12411					
Engineering - Contractor			91495			60513			22843		
Project Management Administration			7202			7418			5552		
Reimbursable Matrix Support			6152			7295			10202		
Test			5517			4671			1045		
Sub total			120942			92308			39642		
Peculiar Support Equipment			27714			25723					
Fielding			140602			28000			31077		
A3 Diagnostics			52883								
Training Devices			26761			22700			22600		
Sub Total			247960			76423			53677		
GROSS P-1 END COST			2080047			746542			171989		
LESS: PRIOR YEAR ADV PROC											
NET P-1 FULL FUNDING COST											
PLUS: P-1 CY ADV PROC											
OTHER NON P-1 COSTS											
INITIAL SPARES											
MODS											
TOTAL											
Total:			2080047			746542			171989		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: BRADLEY PROGRAM (M2A3) (G80717)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Vehicle										
FY 2007	BAE YORK PA	SS/FFP	TACOM	Nov 06	Mar 08	502	2194	YES		
FY 2007	BAE YORK PA	SS/FFP	TACOM	Jul 07	Oct 08	168	2194	YES		
FY 2008	BAE YORK PA	SS/FFP	TACOM	Mar 08	Jul 09	206	2348	YES		
FY 2009	BAE YORK PA	SS/FFP	TACOM	Jan 09	Jul 10	21	3377	YES		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
BRADLEY TRAINING DEVICES (MOD) (GZ2500)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:
0203735.371

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	107.4	4.4	4.7	4.4						120.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	107.4	4.4	4.7	4.4						120.8
Initial Spares										
Total Proc Cost	107.4	4.4	4.7	4.4						120.8
Flyaway U/C										
Weapon System Proc U/C										

Description:

This program procures upgrade kits for Bradley Fighting Vehicle Systems (BFVS) appended training devices to support Army Modularization. A degradation of training will take place if these kits are delayed or cancelled. Without sufficient training devices, additional vehicles and/or increased Operational Tempo (OPTEMPO) funding will be required.

Justification:

FY2009 procures sufficient kits to support one Heavy Brigade Combat Team (HBCT)

Exhibit P-40M, Budget Item Justification Sheet											Date: February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles						P-1 Item Nomenclature BRADLEY TRAINING DEVICES (MOD) (GZ2500)						
Program Elements for Code B Items:								Code: A		Other Related Program Elements: 0203735.371		
Description		Fiscal Years										
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total	
Close Combat Tactical Trainer												
1-01-05-0010	Operational	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	
Appended Devices												
1-99-05-4567	Operational	3.9	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	4.6	
Bradley Advanced Training Systems												
2-02-05-0010	Operational	19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9	
Software Upgrades												
1-96-05-4513	Operational	14.6	4.3	4.4	4.1	0.0	0.0	0.0	0.0	0.0	27.4	
Maintenance Trainer Mods												
1-99-05-4568	Operational	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	
Prior Year Closed Modifications												
0-00-00-0000		13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	
Conduct of Fire Trainer Recap Program												
0-00-00-0000	Operational	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	
Totals		107.3	4.4	4.7	4.4	0.0	0.0	0.0	0.0	0.0	120.8	

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
ABRAMS TANK TRAINING DEVICES (GB1300)

Program Elements for Code B Items:

Code: A

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	140.3	0.8								141.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	140.3	0.8								141.1
Initial Spares										
Total Proc Cost	140.3	0.8								141.1
Flyaway U/C										
Weapon System Proc U/C										

Description:

The family of Abrams Training Aids, Devices, Simulators and Simulations (TADSS) will replicate actual tank performance without incurring the much higher costs of operating the tank itself. Updates/modifications due to vehicle software changes and lessons learned affect Advance Gunnery Training System (AGTS), Maintenance Trainers, Non-System Integration Kits as well as System Enhancement Program (SEP) and Abrams Integrated Management (AIM) integration, Common Driver's Trainer and Common Gunnery Architecture.

Justification:

FY2009 has no funding.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
STRYKER VEHICLE (G85100)

Program Elements for Code B Items:
0603653A/C03

Code:
B

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	2536	245	92	119	106	236	193			3527
Gross Cost	6031.6	1430.6	959.7	1174.9	1070.3	1371.5	840.4	249.0	938.7	14066.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	6031.6	1430.6	959.7	1174.9	1070.3	1371.5	840.4	249.0	938.7	14066.8
Initial Spares										
Total Proc Cost	6031.6	1430.6	959.7	1174.9	1070.3	1371.5	840.4	249.0	938.7	14066.8
Flyaway U/C										
Weapon System Proc U/C	2.4	5.8	10.4	9.9	10.1	5.8	4.4			48.8

Description:

A dynamic asymmetric threat and operational environment demands full spectrum, strategically responsive, agile and dominant land forces. Immediate response by a lethal, versatile, tactically agile joint force capable of operational maneuver is essential to fulfilling the Army's Warfighting needs. The Stryker-equipped BCT is this force. The use of a common platform/common chassis design reduces requirements for repair parts and logistics support in the area of operations.

The Stryker Brigade Combat Team (SBCT), equipped with Stryker Vehicles can be used across the full spectrum of military operations. The Stryker Brigade Combat Team deploys rapidly and conducts effective combat operations immediately on arrival to prevent, contain, stabilize, or resolve a conflict through shaping and decisive operations. Configurations of Stryker Vehicles are:
 Infantry Carrier: The Infantry Carrier Vehicle (ICV) carries an infantry squad with individual equipment. The ICV also provides protected transport and supporting fires for the infantry squad during dismounted assault.

Reconnaissance Vehicle: The Reconnaissance Vehicle (RV) provides force situational awareness, gathering and transmitting real time intelligence while moving throughout the battlefield in close, complex, and urban terrain.

Mobile Gun System: The Mobile Gun System (MGS) supports dismounted infantry and engages the enemy in close combat in order to clear opposition and permit rapid movement allowing the force to maintain the initiative, occupy and/or secure key objectives, and defeat strong points.

Mortar Carrier: The Mortar Carrier (MC) will support infantry units with screening obscurants, suppressive forces and on-call supporting fires. 120mm,81mm, and 60mm mortars provide complimentary capabilities with responsive, accurate and lethal indirect fire support to the dismounted infantry assault.

Commander's Vehicle: The Commander's Vehicle (CV) provides the brigade commanders and infantry battalion commanders with the means to receive information and data, analyze, prepare and transmit data, and control the forces/functions carrying out combat missions.

Fire Support Vehicle: The Fire Support Vehicle (FSV) provides automated enhanced surveillance, target acquisition, target identification, target tracking, target designation, position location, and communications functionality. Targets will be transmitted instantly to the fire support system and shooter.

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

Medical Evacuation Vehicle: The Medical Evacuation Vehicle (MEV) is the Battalion Aid Station for brigade units, providing treatment for serious injury and advanced trauma cases.

Antitank Guided Missile Vehicle: The Antitank Guided Missile Vehicle (ATGM) is the brigade's primary tank killing system. The ATGM reinforces the brigade's infantry battalion, reinforces the brigade reconnaissance squadron, and provides long-range direct fires.

Exhibit P-40, Budget Item Justification Sheet		Date: February 2008
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles		P-1 Item Nomenclature STRYKER VEHICLE (G85100)
Program Elements for Code B Items: 0603653A/C03	Code: B	Other Related Program Elements:
<p>NBC Reconnaissance Vehicle: The Nuclear, Biological, Chemical Reconnaissance Vehicle (NBCRV) provides on the move and remote near-real-time nuclear, biological and chemical detection and surveillance to supply battlefield visualization of NBC hazards. The NBCRV vehicle quantity reflects requirements for SBCT units (total quantity: 39) and Joint initiated non-SBCT requirements (total quantity: 316).</p> <p>Survivability Enhancements include: Stryker Reactive Armor Tiles (SRAT), Slat Armor, Common Ballistic Shield (CBS), Driver's Enhancement Kits (DEK), Hull Protection Kits (HPK), and Tire Fire Suppression Kits, and other miscellaneous vehicle kits required to provide increased survivability and protection of the Stryker crew when the Stryker brigades are deployed in support of Operation Iraqi Freedom (OIF) and Global War on Terrorism (GWOT) missions.</p> <p>Justification: FY2009 procures a quantity of 40 Nuclear, Biological, Chemical Reconnaissance vehicles and 79 Mobile Gun System vehicles for a total of 119 Stryker vehicles. FY2009 funding will continue the procurement of Survivability Enhancements (i.e., SRAT, SLAT, CBS, DEK, HPK, etc.) to provide additional protection to Stryker vehicles and their crew. NBC Reconnaissance Vehicle: Live Fire Test & Evaluation: 4QFY06 - 2QFY07 Production Verification Test: 1QFY06 - 3QFY07 Initial Operational Test & Evaluation: 4QFY06 - 1QFY07 Reliability Growth Test: 3QFY08 - 1QFY10 Mobile Gun System: Live Fire Test & Evaluation: 4QFY06 - 1QFY08 Production Verification Test: 3QFY06 - 2QFY08 Initial Operational Test & Evaluation: 1QFY08 FY2007 funding total includes \$874.815 million received in GWOT supplemental. FY2008 funding total includes \$41.000 million received in the Consolidated Appropriations Act, 2008 (P.L. 110-161). FY2008 funding totals do not include \$1,989.580 million previously requested for current FY2008 GWOT requirements.</p>		

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature: STRYKER VEHICLE (G85100)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Stryker Vehicles											
-Infantry Carrier Vehicle (ICV)		A	52262	31	1686						
-ICV Block Improvements											
-Reconnaissance Vehicle (RV)		A	34384	25	1375						
-RV Block Improvements											
-Anti-Tank Guided Missile Vehicle (ATGM)		A									
-ATGM Block Improvements											
-Mortar Carrier (MC)		A	38645	19	2034						
-MC Block Improvements											
-Fire Support Vehicle (FSV)		A	20502	14	1464						
-FSV Block Improvements											
-Engineer Squad Vehicle (ESV)		A	21503	11	1955						
-ESV Block Improvements											
-Commander's Vehicle (CV)		A	120456	68	1771						
-CV Block Improvements											
-Medical Evacuation Vehicle (MEV)		A	69140	52	1330						
-MEV Block Improvements											
-NBC Reconnaissance Vehicle (NBCRV)		B	72376	25	2895	98775	30	3293	128545	40	3214
-NBC RV Block Improvements											
-Mobile Gun System (MGS)		B				365060	62	5888	445750	79	5642
-MGS Block Improvements											
Surv Enhancement (SRAT/DEK/SLAT/CBS/HPK)			359131			137616			219671		
GFE (ASIOE/COEI/AAL)			111322			51045			65588		
Engineering Change Orders (ECO)			7988			8498			10647		
Basic Issue Items (BII)			1767			306			403		
Government Test			23458			15563			18097		
Contractor Support to Test			26630			6394			4547		
Comparison Evaluation											
Refurbishment of Test Vehicles			23706			3207					
Program Management Support (Govt)			45414			46895			47493		
Program Management Support (Contractor)			18614			19032			19443		

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: STRYKER VEHICLE (G85100)			Weapon System Type:	Date: February 2008					
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Logistics Support (Contractor)			13002			18175			13047		
System Fielding Support			85503			57609			89059		
Vehicle Retrofit/OIF Fixes			160315			22494					
Post Production Mods (unscheduled mods)											
Initial Spares/ASL			12076			13305			17554		
Support Equipment (STTE)			3544			7201			7037		
Training Devices			32997			23531			17564		
System Technical Support (STS)			70528			61494			67502		
Software Support			5320			3530			3000		
Integrated Data Environment											
Product Improvement Program											
Facilitization											
Mounted Mortar											
Digital Wiring Schematics											
Total:			1430583			959730			1174947		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

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	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:		P-1 Line Item Nomenclature: STRYKER VEHICLE (G85100)							
Stryker Vehicles											
FY 2007	GM GDLS Defense Group L.L.C. Shelby Township, MI	C/FFP/5-6	TACOM	Apr 07	Sep 08	22	1771	NA	NA		
FY 2007	GM GDLS Defense Group L.L.C. Shelby Township, MI	C/FFP/6-6	TACOM	Jun 07	Jun 08	165	1714	NA	NA		
FY 2007	GM GDLS Defense Group L.L.C. Shelby Township, MI	C/FFP/6-6	TACOM	Sep 07	Oct 08	33	1330	NA	NA		
FY 2007	GM GDLS Defense Group L.L.C. Shelby Township, MI	SS/FFP/1-5	TACOM	Feb 08	Mar 09	25	2895	NA	NA		
FY 2008		SS/FFP/1-5	TACOM	Feb 08	Mar 10	30	3293	NA	NA		
FY 2008		SS/FFP/1-5	TACOM	Mar 08	Oct 09	62	5888	NA	NA		
FY 2009		SS/FFP/2-5	TACOM	Jan 09	Mar 11	40	3214	NA	NA		
FY 2009		SS/FFP/2-5	TACOM	Jan 09	Oct 10	79	5642	NA	NA		

REMARKS: Unit cost for Stryker vehicles is an average of all Stryker vehicle configurations procured on delivery orders/contract modifications issued during the respective fiscal year. Unit cost does not include Block Improvements.

Acquisition Decision Memorandum (ADM) received in January 2008 authorizes the procurement of additional Low Rate Initial Production (LRIP) quantities of NBCRV vehicles (FY07: 25; FY08: 30; FY09: 40) subject to approval of an updated Acquisition Strategy. Full Rate Production (FRP) Milestone Decision is targeted for 3QFY10. Production schedule for FY07-09 allows for ramp-up of production and maintenance of a warm production base for the LRIP vehicles, pending the FRP Milestone Decision in FY10.

Milestone Decision for the MGS is tentatively scheduled for February 2008. Contract award to be issued upon receipt of favorable ADM.

FY 07 / 08 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE STRYKER VEHICLE (G85100)	Date: February 2008
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COST ELEMENTS						Fiscal Year 07														Fiscal Year 08														Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 07														Calendar Year 08														
						O C T	N O V	D E C	J A N	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					

Stryker Vehicles																																		
1	FY 05	A	675	466	209	54	45	22	27	26	25	1	2		1		2	2	2														0	
1	FY 05	A	11	0	11																												0	
1	FY 05	A	10	0	10																												0	
1	FY 06	A	306	0	306								27	31	31	33	33	33	33	31	26	10	10	8									0	
1	FY 06	A	100	0	100											5	6	8	9	3	16	13	6						1	6	9	7	4	7
1	FY 06	A	36	0	36																													0
1	FY 06	A	13	0	13																													0
1	FY 06	A	39	0	39																													10
1	FY 07	A	22	0	22								A																					19
1	FY 07	A	165	0	165										A																			135
1	FY 07	A	33	0	33												A																	33
1	FY 07	A	25	0	25																													25
1	FY 08	A	30	0	30																													30
1	FY 08	A	62	0	62																													62
1	FY 09	A	40	0	40																													40
						O C T	N O V	D E C	J A N	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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	GM GDLS Defense Group L.L.C., Shelby Township, MI	2	240	675		1	8	10	11	21	Admin Leadtime (LT)/Manufacture Leadtimes shown at left are representative of the Stryker variants currently approved for Full Rate Production. Normal LT for the NBCRV is 15 months driven by the NBCRV Sensor availability. For FY07, the LT is reduced to 13 months due to Sensors previously purchased and available to support the first two monthly deliveries of FY07 NBCRV buy. FY08 & FY09 NBCRV LTs are driven by delivery restrictions placed on the Stryker Program for the ramp-up of the extended LRIP quantity. Normal LT for the MGS is 21 months driven by the purchase of long-lead requirements (titanium). Received authority to purchase long-lead requirements for 62 MGS vehicles which results in a 19 month LT for the FY08 MGS vehicles only.
							0	3	11	14	

FY 09 / 10 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE STRYKER VEHICLE (G85100)	Date: February 2008
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	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	

Stryker Vehicles																																			
1	FY 05	A	675	675																															0
1	FY 05	A	11	11																															0
1	FY 05	A	10	10																															0
1	FY 06	A	306	306																															0
1	FY 06	A	100	93	7	7																													0
1	FY 06	A	36	36																															0
1	FY 06	A	13	13																															0
1	FY 06	A	39	29	10	6	1	3																											0
1	FY 07	A	22	3	19	1	7	4	7																										0
1	FY 07	A	165	30	135	15	13	13	14	26	27	27																							0
1	FY 07	A	33	0	33	2	10	9	4	3	3	2																							0
1	FY 07	A	25	0	25																														0
1	FY 08	A	30	0	30																														15
1	FY 08	A	62	0	62																														0
1	FY 09	A	40	0	40																														40

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	GM GDLS Defense Group L.L.C., Shelby Township, MI	2	240	675		1	Initial	8	10	11	21	Admin Leadtime (LT)/Manufacture Leadtimes shown at left are representative of the Stryker variants currently approved for Full Rate Production. Normal LT for the NBCRV is 15 months driven by the NBCRV Sensor availability. For FY07, the LT is reduced to 13 months due to Sensors previously purchased and available to support the first two monthly deliveries of FY07 NBCRV buy. FY08 & FY09 NBCRV LTs are driven by delivery restrictions placed on the Stryker Program for the ramp-up of the extended LRIP quantity. Normal LT for the MGS is 21 months driven by the purchase of long-lead requirements (titanium). Received authority to purchase long-lead requirements for 62 MGS vehicles which results in a 19 month LT for the FY08 MGS vehicles only.
							Reorder	0	3	11	14	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
Future Combat Systems: (FCS) (G86100)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty									15	15
Gross Cost			52.8	156.5	148.8	703.2	891.4	6129.5	124354.9	132437.1
Less PY Adv Proc				28.1	26.2	25.4		1283.9	15629.6	16993.1
Plus CY Adv Proc			28.1	26.2	25.4		1283.9	899.1	14730.5	16993.1
Net Proc P1			80.9	154.6	148.0	677.8	2175.3	5744.6	123455.8	132437.1
Initial Spares										
Total Proc Cost			80.9	154.6	148.0	677.8	2175.3	5744.6	123455.8	132437.1
Flyaway U/C										
Weapon System Proc U/C									8230.4	8230.4

Description:

The NLOS-C is the Army's first fully automated 155-mm howitzer, 38 caliber cannon, that provides automated, 24/7, all-weather, precision fire support to the FCS (BCT) commander. It will be organic to and provide networked, extended-range (30kms), responsive and sustained precision attack of point and area targets in support of the FCS (BCT). The NLOS-C will provide close support and destructive fires for tactical standoff engagement during both offensive and defensive operations in concert with line-of-sight, beyond line-of-sight and other NLOS, external and joint capabilities in combat scenarios spanning the spectrum of ground combat. The NLOS Cannon's fully automated ammunition handling system and real-time digital operating environment enables two soldiers to perform the tasks which require four to five soldiers on current force systems.

Justification:

FY08 procures the plant equipment and facilitization to establish NLOS-C production capability along with the long lead hardware required for the initial 6 NLOS-C. FY09 manufactures and assembles the initial 6 Non-Line of Sight-Cannon (NLOS-C Block 0) platforms to be fielded in FY10 and FY11; procures the Long Lead Hardware (LLH) for the second increment of the NLOS-C. FY10 fabricate and assemble the second increment of 6 NLOS-C Block 0 platforms to be fielded in FY11 and procures the LLH for the 3rd increment. FY11 procures the final 6 NLOS-C Block 0 platforms to be fielded in FY12 and starts FCS Core production for all platforms. The chassis for these platforms will be produced in the Lima, Ohio Tank Plant. The mission modules will be produced in York, Pennsylvania and final assembly will be in Elgin, Oklahoma. These initial production facilities will also be used to produce the rest of the Manned Ground Vehicle (MGV) prototype platforms which will minimize RDTE and Procurement costs by using the same production facilities, tooling and equipment, in both the RDTE and Production phase of the program. In addition, tooling facilitation costs will be minimized due to use of common lines instead of the traditional 8 separate production lines.

These Long Lead Items (LLI) support procurement of the first set of 6 NLOS-C vehicles and include materiel and hardware for Structure (2195 and 5059 Aluminum Plate), Cannon Tube Forgings (6 ea for 155mm main weapon), Suspension (HSU (rod arms) and track), Propulsion (Engines, Generators and Traction Drive System), Breech Ring and Block Forgings (6 ea 155mm main weapon), Turret Structure (structure materials for Cannon Mission Modules), Traverse Bearing Assembly (6 ea for Cannon Mission Modules), Titanium Hatch Forgings, Traction Drive, LRM Processors (network processors), Integrated Computer System, GMR and Antenna, EOIR Sensors, and Autonomous Navigation System (ANS). The facilitization procures the plant equipment required to establish the production capability; this includes Common Assembly Test Equipment (electronic test equipment), Common Final Assembly Test Equipment, Titanium Hatch Forging Dies, Surface Treatment Booth (Paint Booth/Signature Management material application), Weld Fixtures/Rollers (trunnion fixtures for hull welding), Templates (chassis side-wall plate weld points for appurtenances), Machining Fixtures (alignment/support equipment for turret, etc.), and 3 Axis Positioner.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature: Future Combat Systems: (FCS) (G86100)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Non Recurring Production						49649					
Recurring Production MGV (NLOS-C)											
Lethality								41003	6		6834
C4ISR/Electronics								42503	6		7084
Survivability								27880	6		4647
Mobility								15528	6		2588
I&A								17894	6		2982
Recurring Production Support Costs											
SEPM						1183		6937			
Testing								462			
Initial Spares											
Fielding								2242			
Other Production								2070			
Congressional Earmark						2000					
FCS (BCT) Recurring Production											
Less: PY Advanced Procurement								-28100			
Plus: CY Advanced Procurement						28100		26164			
Total:						80932		154583			

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Recurring Production MGV (NLOS-C) Lethality FY 2009 Boeing St Louis,MO SS/FP TACOM-Warren Mar 09 Mar 10 6 Y MAR-08										
C4ISR/Electronics FY 2009 Boeing St Louis,MO SS/FP TACOM-Warren Mar 09 Mar 10 6 Y MAR-08										
Survivability FY 2009 Boeing St Louis,MO SS/FP TACOM-Warren Mar 09 Mar 10 6 Y MAR-08										
Mobility FY 2009 Boeing St Louis,MO SS/FP TACOM-Warren Mar 09 Mar 10 6 Y MAR-08										
I&A FY 2009 Boeing St Louis,MO SS/FP TACOM-Warren Mar 09 Mar 10 6 Y MAR-08										

REMARKS: Tier 1 SUBCONTRACTORS:
 General Dynamics Land Systems - Lima, Ohio
 BAE - York, Pennsylvania
 BAE - Elgin, Oklahoma

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
Future Combat Systems: (FCS) (Adv. Proc.) (G86100)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost										
Less PY Adv Proc										
Plus CY Adv Proc			28.1	26.2	25.4		1283.9	899.1	14730.5	16993.1
Net Proc P1			28.1	26.2	25.4		1283.9	899.1	14730.5	16993.1
Initial Spares										
Total Proc Cost			28.1	26.2	25.4		1283.9	899.1	14730.5	16993.1
Flyaway U/C										
Weapon System Proc U/C										

Description:

The NLOS-C is the Army's first fully automated 155-mm howitzer, 38 caliber cannon, that provides automated, 24/7, all-weather, precision fire support to the FCS (BCT) commander. It will be organic to and provide networked, extended-range (30kms), responsive and sustained precision attack of point and area targets in support of the FCS (BCT). The NLOS-C will provide close support and destructive fires for tactical standoff engagement during both offensive and defensive operations in concert with line-of-sight, beyond line-of-sight and other NLOS, external and joint capabilities in combat scenarios spanning the spectrum of ground combat. The NLOS Cannon's fully automated ammunition handling system and real-time digital operating environment enables two soldiers to perform the tasks which require four to five soldiers on current force systems.

Justification:

FY08 procures Long Lead Items (LLI) necessary for procurement of 6 NLOS-C Block 0 vehicles for delivery in FY09. FY09 procures long lead items to support procurement of 6 NLOS-C Block 0 vehicles for delivery in FY10. FY10 procures long lead items to support procurement of the final 6 NLOS-C Block 0 for delivery in FY11. These LLIs support procurement of the NLOS-C vehicles and include materiel and hardware for Structure (2195 and 5059 Aluminum Plate), Cannon Tube Forgings (6 ea for 155mm main weapon), Suspension (HSU (rod arms) and track), Propulsion (Engines, Generators and Traction Drive System), Breech Ring and Block Forgings (6 ea 155mm main weapon), Turret Structure (structure materials for Cannon Mission Modules), Traverse Bearing Assembly (6 ea for Cannon Mission Modules), Titanium Hatch Forgings, Traction Drive, LRM Processors (network processors), Integrated Computer System, Radio Antenna, EOIR Sensors, and Autonomous Navigation System (ANS). FY12 and FY13 procures long lead items to support all FCS Core vehicles.

Advance Procurement Requirements Analysis-Funding (P-10A)				First System Award Date: 2 Qtr FY09		First System Completion Date: 3rd Qtr FY10			Date: February 2008			
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles						P-1 Line Item Nomenclature / Weapon System: Future Combat Systems: (FCS)						
(\$ in Millions)												
	PLT (mos)	When Rqd (mos)	Pr Yrs	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	To Comp	Total
End Item Quantity						6.0	6.0	6.0		1.0	14.0	33.0
Hull/Frame	29	0			6.4	6.0	5.8		292.0	204.5	3350.4	3865.1
Suspension Steering	27	0			1.1	1.0	1.0		50.5	35.4	579.5	668.5
Electrical Power Equipment	27	0			0.1	0.1	0.1		6.4	4.5	73.7	84.9
Engine	27	0			1.4	1.3	1.2		62.6	43.8	717.7	828.0
Eng. & Eng. Exhaust Sub	27	0			0.1	0.1	0.1		5.1	3.5	58.0	66.9
Generator	27	0							0.3	0.3	3.5	4.1
Prop. System Thermal Mgt.	27	0			1.2	1.1	1.1		55.3	38.7	634.1	731.5
Drive Train Assembly/Trans	28	0			5.4	5.1	4.9		248.2	173.8	2848.1	3285.5
Auxiliary Automotive	27	0			0.1	0.1	0.1		5.3	3.7	61.0	70.3
Turret Assembly	27	0			1.9	1.8	1.7		86.9	60.9	997.5	1150.7
Fire control	24	0			1.2	1.1	1.1		55.3	38.7	634.1	731.5
Armament	27	0			1.5	1.4	1.3		67.6	47.3	775.7	894.8
Body/Cab	28	0			0.7	0.6	0.6		32.0	22.4	367.0	423.3
Automotive Loading	24	0			1.8	1.6	1.6		79.7	55.8	913.9	1054.4
Integrated Computer System	28	0			0.4	0.4	0.4		18.2	12.8	209.0	241.2
Vehicle Mgt. Sys	25	0			4.5	4.2	4.1		206.2	144.4	2365.6	2729.0
Crew Station	25	0			0.3	0.3	0.3		12.3	8.6	141.7	163.5
Total Advance Procurement			0.0	0.0	28.1	26.2	25.4	0.0	1283.9	899.1	14730.5	16993.2

Advance Procurement Requirements Analysis-Funding (P-10B)						Date: February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature / Weapon System: Future Combat Systems: (FCS)				
(\$ in Millions)							
	PLT (mos)	Quantity Per Assembly	Unit Cost	2009			Total Cost Request
				Qty	Contract Forecast Date		
Hull/Frame	29	1	1.0	6.0	2q FY09	6.0	
Suspension Steering	27	1	0.2	6.0	2q FY09	1.0	
Electrical Power Equipment	27	1		6.0	2q FY09	0.1	
Engine	27	1	0.2	6.0	2q FY09	1.3	
Eng. & Eng. Exhaust Sub	27	1		6.0	2q FY09	0.1	
Prop. System Thermal Mgt.	27	1	0.2	6.0	2q FY09	1.1	
Drive Train Assembly/Trans	28	1	0.9	6.0	2q FY09	5.1	
Auxiliary Automotive	27	1		6.0	2q FY09	0.1	
Turret Assembly	27	1	0.3	6.0	2q FY09	1.8	
Fire control	24	1	0.2	6.0	2q FY09	1.1	
Armament	27	1	0.2	6.0	2q FY09	1.4	
Body/Cab	28	1	0.1	6.0	2q FY09	0.6	
Automotive Loading	24	1	0.3	6.0	2q FY09	1.6	
Integrated Computer System	28	1	0.1	6.0	2q FY09	0.4	
Vehicle Mgt. Sys	25	1	0.7	6.0	2q FY09	4.2	
Crew Station	25	2		12.0	2q FY09	0.3	
Total Advance Procurement						26.2	

Advance Procurement Requirements Analysis-Funding (P-10C)

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Line Item Nomenclature / Weapon System:
Future Combat Systems: (FCS)

(\$ in Millions)										
	Pr Yrs	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	To Comp	Total
Proposal w/o AP										
Then Year Cost				149	135	131		4538	83776	88729
Constant Year Cost				124	111	105		3496	55143	58979
Present Value				119	103	95		2972	37571	40860
AP Proposal										
Then Year Cost		28	146	134	105	1295	4122	82548	88378	
Constant Year Cost		24	122	110	84	1018	3176	54445	58979	
Present Value		24	117	102	76	891	2699	37188	41097	
AP Savings (Difference)										
Then Year Cost		28	-3	-1	-26	1295	-416	-1228	-351	
Constant Year Cost		24	-2	-1	-21	1018	-320	-698		
Present Value		24	-2	-1	-19	891	-273	-383	237	

Advance Procurement Requirements Analysis-Execution (P-10D)								Date: February 2008		
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles					P-1 Line Item Nomenclature / Weapon System: Future Combat Systems: (FCS)					
(\$ in Millions)										
	PLT (mos)	2007					2008		2009	
		Qty	Contract Forecast Date	Actual Contract Date	Total Cost Request	Actual Contract Cost	Qty	Contract Forecast Date	Qty	Contract Forecast Date
End Item Quantity										
Hull/Frame	29								6	2q FY09
Suspension Steering	27								6	2q FY09
Electrical Power Equipment	27								6	2q FY09
Engine	27								6	2q FY09
Eng. & Eng. Exhaust Sub	27								6	2q FY09
Generator	27									
Prop. System Thermal Mgt.	27								6	2q FY09
Drive Train Assembly/Trans	28								6	2q FY09
Auxiliary Automotive	27								6	2q FY09
Turret Assembly	27								6	2q FY09
Fire control	24								6	2q FY09
Armament	27								6	2q FY09
Body/Cab	28								6	2q FY09
Automotive Loading	24								6	2q FY09
Integrated Computer System	28								6	2q FY09
Vehicle Mgt. Sys	25								6	2q FY09
Crew Station	25								12	2q FY09
Total Advance Procurement										

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
FCS SPIN OUTS (G86200)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty					1	2	5	6	49	63
Gross Cost				181.9	356.0	515.0	741.0	924.6	11444.2	14162.6
Less PY Adv Proc				20.0	14.8	26.8	62.6	87.9	1392.1	1604.2
Plus CY Adv Proc			20.0	14.8	26.8	62.6	87.9	108.3	1283.9	1604.2
Net Proc P1			20.0	176.7	368.0	550.8	766.3	945.0	11335.9	14162.6
Initial Spares										
Total Proc Cost			20.0	176.7	368.0	550.8	766.3	945.0	11335.9	14162.6
Flyaway U/C										
Weapon System Proc U/C					368.0	275.4	153.3	157.5	231.3	1185.5

Description:

The FCS Spin Out program is the Army's plan to accelerate the delivery of selected FCS BCT technologies and capabilities to the Current Force. By accelerating these FCS BCT capabilities (called Spin Outs); there will be both improved capability to the current force along with reduced operational risk to the FCS Core Force. Just as the emerging FCS BCT capabilities enhance the Current Force, the Current Force's operational experiences with these capabilities will provide the FCS BCT program with invaluable information which may mitigate future challenges, force management, and institutional risks.

To satisfy the Army's urgent capability requirement and to keep up the pace of technology, the FCS Spin Out program is the Army's plan to incorporate these mature FCS BCT capabilities within the Current Force, thus avoiding duplication of development and reduce procurement and sustainment cost across the Army's total fighting force. The Army transformation is grounded in the operational framework of joint doctrine and the concepts for future joint and combined operations. Transforming to the Objective Force and developing the FCS BCT is the Army's number one priority. The FCS BCT system of systems is being designed with the warfighter in mind, and with the early insertion of selected FCS BCT capabilities into the Current Force, will insure a more complete joint fighting force. This program supports the Objective Force Transition Path of the Transformation Campaign Plan (TCP).

Justification:

FY08 program procures necessary long lead items (i.e. antenna, unattended ground sensors) to support the production of the initial set of FCS Spin Out program B kits. The FY09 program procures the required sets of FCS Spin Out A-kits, B-kits (ICS, Common Hardware, NLOS-LS, UGS) and integration of the B-Kits for the current force platforms that will be used in the planned Initial Operational Testing (IOT) in FY2011. Additionally, the FY2009 program procures the necessary long lead items to support the subsequent production of B-kits currently planned in the FY2010 program, as well as initial facilitization for Non-Line of Sight of Launch System (NLOS-LS).

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: FCS SPIN OUTS (G86200)			Weapon System Type:	Date: February 2008					
WTCV Cost Elements		ID	FY 07			FY 08			FY 09		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Spin Out Program											
Non recurring Production											
									3594		
Recurring Production Costs											
ICS-B kits											
									7446	19	392
Antenna- B kits											
									4515	19	238
UGS-U- B kits											
									1770	18	98
UGS-T- B kits											
									8635	12	720
NLOS-LS- B kits											
									25340	6	4223
Abrams - A kits											
									1221	6	204
Bradley - A kits											
									1965	10	197
HMMWV - A- kits											
									133	4	33
Spin Out 3 (A&B-Kits)											
Recurring Production Support Costs											
SEPM											
									48596		
SEPM (FY08 CY ADV PROC)											
									1400		
Training Device Mod (FY08 CY ADV PROC)											
									3202		
Testing											
									7913		
Initial Spares											
									343		
Fielding											
									2622		
Other Production											
									3303		
CY ADV Proc Adjustment											
									16163		
PY ADV Proc Adjustment											
Spin Out Development Test											
									14092		
SUGV (Block 1) Acceleration Program											
Non Recurring Production											
									13399		
Recurring Production											
									4814	22	219
SEPM											
									650		
Testing											
Initial Spares											
									139		
Fielding											
									78		
Other Production costs											
									139		

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: FCS SPIN OUTS (G86200)			Weapon System Type:	Date: February 2008					
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
UAV Class I (Block 0) Acc Program											
Recurring Production									7094	17	417
SEPM									1790		
Testing									910		
Initial Spares											
Fielding									180		
Other Production Costs									420		
Less : PY Adv Proc - Reqmnt									-15385		
Less PY Adv Proc. Trng Dev Mod Dev									-3202		
Less PY Adv Proc. - SEPM									-1400		
Plus CY Adv Proc - Reqmnt						15385			14788		
Plus CY Adv Proc- Trng Dev Mod Dev						3202					
Plus CY Adv Proc -SEPM						1400					
Total:						19987			176667		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

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
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles										
Weapon System Type: P-1 Line Item Nomenclature: FCS SPIN OUTS (G86200)										
ICS-B kits										
FY 2009	Boeing Co. St.Louis.MO	SSFP	Tacom,Warren,MI	Mar 09	Mar 10	19	392	No		Mar-08
Antenna- B kits										
FY 2009	Boeing Co. St.Louis.MO	SSFP	Tacom,Warren,MI	Mar 09	Mar 10	19	238	No		Mar-08
UGS-U- B kits										
FY 2009	Boeing Co. St.Louis.MO	SSFP	Tacom,Warren,MI	Mar 09	Mar 10	18	98	No		Mar-08
UGS-T- B kits										
FY 2009	Boeing Co. St.Louis.MO	SSFP	Tacom,Warren,MI	Mar 09	Mar 10	12	720	No		Mar-08
NLOS-LS- B kits										
FY 2009	Netfires LLC Grand Prairie,TX	SSFP	Huntsville, AL	Mar 09	Mar 10	6	4223	No		Mar-08
Abrams - A kits										
FY 2009	GDLS Sterling Heights,MI	CPFF	Tacom,Warren,MI	Mar 09	Mar 10	6	204	No		Mar- 08
Bradley - A kits										
FY 2009	BAE Santa Clara,CA	CPFF	Tacom,Warren,MI	Mar 09	Mar 10	10	197	No		Mar- 08
HMMWV - A- kits										
FY 2009	TBD TBD	SSFP	Tacom,Warren,MI	Mar 09	Mar 10	4	33	No		Mar- 08

REMARKS: SUBCONTRACTORS Associated with the FCS(BCT)Core Capabilities:
 ICS: General Dynamics - Automated Information Systems - Bloomington, MN
 Antenna: BAE Systems - Wayne, NJ
 UGS-T/U: iRobot Corporation - Burlington, MA

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
FCS SPIN OUTS (Adv. Proc.) (G86200)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost										
Less PY Adv Proc										
Plus CY Adv Proc			20.0	14.8	26.8	62.6	87.9	108.3	1283.9	1604.2
Net Proc P1			20.0	14.8	26.8	62.6	87.9	108.3	1283.9	1604.2
Initial Spares										
Total Proc Cost			20.0	14.8	26.8	62.6	87.9	108.3	1283.9	1604.2
Flyaway U/C										
Weapon System Proc U/C										

Description:

The FCS Spin Out program is the Army's plan to accelerate the delivery of selected FCS (BCT) technologies and capabilities to the Current Force. By accelerating these FCS BCT capabilities (called Spin Outs); there will be both improved capability to the current force along with reduced operational risk to the FCS Core Force. Just as the emerging FCS BCT capabilities enhance the Current Force, the Current Force's operational experiences with these capabilities will provide the FCS (BCT) program with invaluable information which may mitigate future challenges, force management, and institutional risks.

To satisfy the Army's urgent capability requirement and to keep up the pace of technology, the FCS Spin Out program is the Army's plan to incorporate these mature FCS BCT capabilities within the Current Force, thus avoiding duplication of development and reduce procurement and sustainment costs across the Army's total fighting force. The Army transformation is grounded in the operational framework of joint doctrine and the concepts for future joint and combined operations. Transforming to the Objective Force and developing the FCS BCT is the Army's number one priority. The FCS BCT system of systems is being designed with the warfighter in mind, and with the early insertion of selected FCS BCT capabilities into the Current Force, will insure a more complete joint fighting force. This program supports the Objective Force Transition Path of the Transformation Campaign Plan (TCP).

Justification:

FY08 program procures necessary long lead items (i.e. antenna, unattended ground sensors) to support the FY09 production of the initial set of FCS Spin Out program B kits. In addition, these funds include RDTE Training Device modification development, Spin Out 1 support and contract management efforts. The FY09 program procures the required sets of FCS Spin Out A-kits, B-kits (ICS, Common Hardware, NLOS, UGS), and integration of the B-Kits for the current force platforms that will be used in the planned Initial Operational Testing (IOT) in FY2011.

Advance Procurement Requirements Analysis-Funding (P-10A)	First System Award Date: 2 Qtr FY09	First System Completion Date: 3 Qtr FY10	Date: February 2008
	Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles		P-1 Line Item Nomenclature / Weapon System: FCS SPIN OUTS

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles		P-1 Line Item Nomenclature / Weapon System: FCS SPIN OUTS	
--	--	--	--

(\$ in Millions)												
	PLT (mos)	When Rqd (mos)	Pr Yrs	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	To Comp	Total
End Item Quantity												
NNS-NLOS-LS	26	0			1.9							1.9
Camera Core NLOS-LS	26	0			0.7							0.7
Network Radio Aux NLOS-LS	26	0			0.9							0.9
Battery NLOS-LS	26	0			2.1							2.1
Rocket Motor NLOS-LS	26	0			1.3							1.3
Warhead NLOS-LS	26	0			0.7							0.7
ICS Computer LNP Sub ASSY	19	0			2.9	2.3	4.0	9.8	12.6	16.8	198.7	247.1
ICS Computer Test Hardware	19	0			0.3	0.4	0.7	1.2	2.3	2.1	28.7	35.7
GPCS	21	0			5.6	7.9	12.8	29.3	41.4	51.1	607.9	756.0
GPCS Cables/Connectors	21	0			0.7	0.8	1.2	3.4	4.1	5.1	62.8	78.1
GPCS U-MOUNT	21	0			0.6	0.4	1.1	2.0	3.6	4.3	49.2	61.2
GPCS MultiBand Antenna	21	0			0.7	0.8	1.2	3.1	4.0	4.5	58.7	73.0
T-UGS	16	0			1.2	1.8	4.2	10.6	14.7	18.2	208.1	258.8
U-UGS	16	0			0.4	0.4	1.6	3.2	5.2	6.2	69.8	86.8
Total Advance Procurement			0.0	0.0	20.0	14.8	26.8	62.6	87.9	108.3	1283.9	1604.3

Advance Procurement Requirements Analysis-Funding (P-10B)						Date: February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles				P-1 Line Item Nomenclature / Weapon System: FCS SPIN OUTS			
						(\$ in Millions)	
						2009	
						Qty	Contract Forecast Date
							Total Cost Request
	PLT (mos)	Quantity Per Assembly	Unit Cost				
Camera Core NLOS-LS	26						
Network Radio Aux NLOS-LS	26						
Battery NLOS-LS	26						
Rocket Motor NLOS-LS	26						
Warhead NLOS-LS	26						
ICS Computer LNP Sub ASSY	19	1	0.1	19.0	2 Q FY09	2.3	
ICS Computer Test Hardware	19	1		19.0	2 Q FY09	0.4	
GPCS	21	1	0.4	19.0	2 Q FY09	7.9	
GPCS Cables/Connectors	21	1		19.0	2 Q FY09	0.8	
GPCS U-MOUNT	21	1		19.0	2 Q FY09	0.4	
GPCS MultiBand Antenna	21	1		19.0	2 Q FY09	0.8	
T-UGS	16	1	0.2	12.0	2 Q FY09	1.8	
U-UGS	16	1		18.0	2 Q FY09	0.4	
Total Advance Procurement						14.8	

Advance Procurement Requirements Analysis-Funding (P-10C)

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Line Item Nomenclature / Weapon System:
FCS SPIN OUTS

(\$ in Millions)										
	Pr Yrs	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	To Comp	Total
Proposal w/o AP										
Then Year Cost				47	157	245	519	698	9609	11275
Constant Year Cost				39	128	196	408	538	6710	8019
Present Value				37	119	178	358	459	5004	6155
AP Proposal										
Then Year Cost			15	61	174	301	544	712	9426	11233
Constant Year Cost			13	51	142	241	427	548	6597	8019
Present Value			13	49	132	218	375	467	4932	6186
AP Savings (Difference)										
Then Year Cost			15	14	17	56	25	14	-183	-42
Constant Year Cost			13	12	14	45	19	10	-113	
Present Value			13	12	13	40	17	8	-72	31

Advance Procurement Requirements Analysis-Execution (P-10D)

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Line Item Nomenclature / Weapon System:
FCS SPIN OUTS

		(\$ in Millions)								
		2007					2008		2009	
	PLT (mos)	Qty	Contract Forecast Date	Actual Contract Date	Total Cost Request	Actual Contract Cost	Qty	Contract Forecast Date	Qty	Contract Forecast Date
End Item Quantity										
NNS-NLOS-LS	26									
Camera Core NLOS-LS	26									
Network Radio Aux NLOS-LS	26									
Battery NLOS-LS	26									
Rocket Motor NLOS-LS	26									
Warhead NLOS-LS	26									
ICS Computer LNP Sub ASSY	19								19	2 Q FY09
ICS Computer Test Hardware	19								19	2 Q FY09
GPCS	21								19	2 Q FY09
GPCS Cables/Connectors	21								19	2 Q FY09
GPCS U-MOUNT	21								19	2 Q FY09
GPCS MultiBand Antenna	21								19	2 Q FY09
T-UGS	16								12	2 Q FY09
U-UGS	16								18	2 Q FY09
Total Advance Procurement										

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
CARRIER, MOD (GB1930)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	1395.5	171.3								1566.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	1395.5	171.3								1566.8
Initial Spares										
Total Proc Cost	1395.5	171.3								1566.8
Flyaway U/C										
Weapon System Proc U/C										

Description:

The M113 Armored Personnel Carrier Family of Vehicles (FOV) consists of approximately 14,000 vehicles with 16 different variants in service in U.S. Army units. The M113 FOV is 40% of the tracked combat vehicle fleet in a Heavy Brigade Combat Team. The M113 FOV provides platforms for anti-tank, fire direction, smoke, mortar, cargo carrier and command & control systems. The fleet is expected to remain in service for the next 45 years and must be modified to increase mobility, and survivability. Enhancements to the M113 FOV also improve the reliability, sustainability, chemical protection, driver's night vision, fuel system, and Command Post Auxiliary Power Units. Also included in this program is the T150 Track providing approximately four times the track life of the T130 track reducing operations and support costs.

Justification:

FY2009 has no funding. This program has been terminated.

FY2007 funding total includes \$150.291 million received in GWOT supplemental.

FY2008 funding totals do not include \$132.200 million previously requested for current FY2008 GWOT requirements.

Exhibit P-40M, Budget Item Justification Sheet											Date: February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles						P-1 Item Nomenclature CARRIER, MOD (GB1930)						
Program Elements for Code B Items:								Code:		Other Related Program Elements:		
Description			Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total	
Prior Year Closed Modifications												
0-00-00-0000		398.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	398.7	
A3 Conversions												
1-84-05-4026	Oper Capability	873.4	171.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1044.7	
T-150 TRACK												
0-00-00-0000	Oper Capability	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	
Add-on Armor Upgrade (AOA)												
0-00-00-0000		111.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111.8	
Totals		1395.5	171.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1566.8	

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: A3 Conversions [MOD 2] 1-84-05-4026

MODELS OF SYSTEM AFFECTED: M113 Family of Vehicles

DESCRIPTION / JUSTIFICATION:

Continues improvements to the M113A2 Family of Vehicles (FOV) to enhance mobility, crew survivability, vehicle reliability and sustainability. Included is a new 275 horsepower turbocharged engine coupled with a new X200-4A transmission. This power train upgrade replaces less reliable components reducing Operations and Support costs while increasing mobility to keep up with the M1 Abrams and Bradley Fighting Vehicle System fleet. Internal spall suppression liners, external armored fuel tanks and external armor mounting provisions increase crew survivability. Vehicle conversion to the A3 configuration is executed in the Department of the Army Unit Set Fielding Priority sequence, at depot or contractor facilities.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

IPR Production Decision May 86
 TDP Available June 86

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs	2716	72	72	72	77	69	89	90	81												
Outputs	2716	72	72	72	77	69	89	90	81												

1	2	3	4	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						3338
Outputs																						3338

METHOD OF IMPLEMENTATION: Depot/Contractor ADMINISTRATIVE LEADTIME: 0 months PRODUCTION LEADTIME: 0 months
 Contract Dates: FY 2008 - FY 2009 - FY 2010 -
 Delivery Dates: FY 2008 - FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): A3 Conversions [MOD 2] 1-84-05-4026

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
RDT&E																						
Procurement																						
A3 Upgrades	4065	585.6	335	88.0															4400	673.6		
M577A3 conversion to M1068A3	114	6.6																	114	6.6		
Equipment		74.6		41.1																	115.7	
Data		42.4																			42.4	
PM Support (Govt)		12.7		4.6																	17.3	
System Technical Support (Ctr)		25.7		17.6																	43.3	
Other		1.4		9.5																	10.9	
Pre Conversion/Modification		58.6		4.7																	63.3	
FDT		2.9		0.1																	3.0	
TPF/BII		10.0		5.7																	15.7	
Installation of Hardware																						
FY 2005 & Prior Equip -- Kits	2716	52.9	107																	2823	52.9	
FY 2006 -- Kits			180																	180		
FY 2007 Equip -- Kits			6	329																335		
FY 2008 Equip -- Kits																						
FY 2009 Equip -- Kits																						
FY 2010 Equip -- Kits																						
FY 2011 Equip -- Kits																						
FY 2012 Equip -- Kits																						
TC Equip- Kits																						
Total Installment	2716	52.9	293	0.0	329	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3338	52.9
Total Procurement Cost		873.4		171.3		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		1044.7

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles
 P-1 Item Nomenclature: FIST VEHICLE (MOD) (GZ2300)

Program Elements for Code B Items: 0203735A
 Code: A
 Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	293	52	34	6	18	16				419
Gross Cost	640.4	176.4	100.2	33.4	113.6	130.0	48.3	31.0		1273.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	640.4	176.4	100.2	33.4	113.6	130.0	48.3	31.0		1273.3
Initial Spares										
Total Proc Cost	640.4	176.4	100.2	33.4	113.6	130.0	48.3	31.0		1273.3
Flyaway U/C										
Weapon System Proc U/C										

Description:
 The Bradley Fire Support Vehicle (BFIST) consists of two variants: M7 BFIST and A3 BFIST. BFIST replaces the aging M981 Fire Support Vehicle used for fire support planning and execution for maneuver company commanders. The fire support team is attached to a Mechanized Infantry or Armor company and is primarily responsible for developing and executing fire support plans that enable success on the battlefield. The BFIST allows fire support operations to be performed on the battlefield in vehicles with the same signature, survivability, and mobility as other Bradleys in the maneuver units it supports. The M7 variant integrates a fire support Mission Equipment Package (MEP) onto an Operation Desert Storm (ODS) variant chassis. The A3 BFIST takes advantage of Bradley A3 technology and capability advancements to embed much of the fire support MEP functionality; what is not embedded is added as an engineering change proposal (ECP) to the chassis. Both variants of BFIST require the Fire Support Sensor System (FS3) which will replace the current targeting system as the sensor of choice of the Fire Support community. The FS3 provides increased range capability to detect, recognize and identify targets.

Justification:
 FY2009 procures and fields 6 A3 BFIST vehicles in support of the Army's Campaign Plan for Heavy Brigade Combat Team modularity.
 FY2007 funding total includes \$161.197 million received in GWOT supplemental.
 FY2008 funding total includes \$65.000 million received in the Consolidated Appropriations Act, 2008 (P.L. 110-161).
 FY2008 funding totals do not include \$65.000 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature: FIST VEHICLE (MOD) (GZ2300)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Hardware Cost											
1. A3 Vehicle Production			108474	52	2086	75153	34	2210	20262	6	3377
1. M7 Vehicle Production											
2. FLIR			10366			7581			1367		
3. GFE			12483			7069			1730		
3.1 Armor Skirts			14940								
SUBTOTAL			146263			89803			23359		
4. Engineering Production			20391			3792			3675		
5. Government Support			1742			1588			1654		
6. Fielding			7241			3832			3570		
7. Test & Evaluation			810			1146			1168		
SUBTOTAL			30184			10358			10067		
Total:			176447			100161			33426		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:		P-1 Line Item Nomenclature: FIST VEHICLE (MOD) (GZ2300)						
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. A3 Vehicle Production										
FY 2007	BAE York PA	SS/FP	USATACOM, Warren, Mi	Nov 06	May 08	52	2086	yes		
FY 2008	BAE York PA	SS/FP	USATACOM, Warren, Mi	Feb 08	Aug 09	34	2210	yes		
FY 2009	BAE York PA	SS/FP	USATACOM, Warren, Mi	Nov 08	May 10	6	3377	Yes		

REMARKS: BFIST vehicles are produced under the Bradley program vehicle production contract.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
BRADLEY PROGRAM (MOD) (GZ2400)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:
0203735.371

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	1602.4	204.9	85.4	311.9	323.8	393.7	351.6	12.6	122.8	3409.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	1602.4	204.9	85.4	311.9	323.8	393.7	351.6	12.6	122.8	3409.1
Initial Spares										
Total Proc Cost	1602.4	204.9	85.4	311.9	323.8	393.7	351.6	12.6	122.8	3409.1
Flyaway U/C										
Weapon System Proc U/C										

Description:

This program procures Operation Desert Storm (ODS) vehicle upgrades to the Second GEN Forward Looking Infrared (FLIR) capability that will provide target detection and identification at weapon maximum effective range and achieve commonality with the M1A1 Abrams Integrated Management (AIM) tank. This modification will begin to eliminate the obsolete sensor technology on the ODS fleet.

Justification:

FY2009 procures ODS Situational Awareness (SA) for the Bradley A2 ODS Vehicle.

FY2007 funding total includes \$118.350 million received in GWOT supplemental.

FY2008 funding total includes \$48.000 million received in the Consolidated Appropriations Act, 2008 (P.L. 110-161).

FY2008 funding totals do not include \$84.900 million previously requested for current FY2008 GWOT requirements.

Exhibit P-40M, Budget Item Justification Sheet											Date: February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles						P-1 Item Nomenclature BRADLEY PROGRAM (MOD) (GZ2400)						
Program Elements for Code B Items:								Code: A		Other Related Program Elements: 0203735.371		
Description		Fiscal Years										
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total	
A2 ODS Vehicle for Combat Engineers (ODS-E)												
1-98-05-4539	Operational	59.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.8	
Prior Year Closed Mods												
0-00-00-0000		974.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	974.7	
Bradley Reactive Armor Tiles (BRAT)												
1-84-05-4038	Operational	434.8	115.2	48.0	0.0	0.0	0.0	0.0	0.0	0.0	598.0	
Blue Force Tracking												
2-04-05-0004	Operational	33.6	17.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0	58.0	
BFVS High Priority Improvements												
1-98-05-4550	Operational	99.5	72.0	30.7	0.0	0.0	0.0	0.0	0.0	122.8	325.0	
ODS Situational Awareness												
2-07-05-0017	Operational	0.0	0.0	0.0	311.9	323.8	393.7	351.6	12.6	0.0	1393.6	
Totals		1602.4	204.9	85.4	311.9	323.8	393.7	351.6	12.6	122.8	3409.1	

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Bradley Reactive Armor Tiles (BRAT) [MOD 3] 1-84-05-4038

MODELS OF SYSTEM AFFECTED: Bradley of Family Vehicles Fleet

DESCRIPTION / JUSTIFICATION:
 Bradley Reactive Armor Tiles (BRAT) are one of the High Survivability improvements to the Bradley Fighting Vehicle Systems (BFVS). The tiles provide increased armor protection and crew survivability against shaped charge threats, including hand held Anti-tank Chemical Energy Shape Charges and other classes of warheads as specified in the BFVS material need area. There are four configurations of tiles covering the vehicle front, sides and turret.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Critical Design Review: 3Q03
 Contractor Test and Evaluation: 1Q04
 Development Test and Evaluation: 1Q04
 Initial Operational Test and Evaluation: N/A
 IPR Production Decision: 1Q04
 TDP Available: Yes

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	93	93	93	93		49	49	50												
Outputs				93	93	93	93	49	49	50										

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		520
Outputs																		520

METHOD OF IMPLEMENTATION: Troop Installed ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 6 months
 Contract Dates: FY 2008 - Feb 08 FY 2009 - N/A FY 2010 - N/A
 Delivery Dates: FY 2008 - Aug 08 FY 2009 - N/A FY 2010 - N/A

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Bradley Reactive Armor Tiles (BRAT) [MOD 3] 1-84-05-4038

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
RDT&E																						
Procurement																						
Kit Quantity		434.8	372	115.2	148	48.0															520	598.0
Installation Kits																						
Installation Kits, Nonrecurring																						
Facilitization																						
Equipment, Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Support Equipment																						
Other																						
Interim Contractor Support																						
Installation of Hardware																						
FY 2005 & Prior Equip -- Kits																						
FY 2006 -- Kits																						
FY 2007 Equip -- Kits			93		279																372	
FY 2008 Equip -- Kits					49		99														148	
FY 2009 Equip -- Kits																						
FY 2010 Equip -- Kits																						
FY 2011 Equip -- Kits																						
FY 2012 Equip -- Kits																						
TC Equip- Kits																						
Total Installment	0	0.0	93	0.0	328	0.0	99	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	520	0.0
Total Procurement Cost		434.8		115.2		48.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		598.0

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Blue Force Tracking [MOD 4] 2-04-05-0004

MODELS OF SYSTEM AFFECTED: Bradley Family of Vehicles Fleet

DESCRIPTION / JUSTIFICATION:

Blue Force Tracking (BFT) provides digital Force XXI Battle Command, Brigade-and-Below (FBCB2) Situational Awareness (SA) from the soldier/platform level up to Brigade-level. BFT provides real-time situational awareness and a Common Operating Picture (COP) with friendly and enemy unit graphic locations and target identification.

BFT is currently issued in a Thin Fielding package down to the Company Commander level and secondly as a Key Leader Option (KLO) package. BFT is currently being fielded to NON-Enhanced Positioning Location Radio System (EPLRS) based FBCB2 Army Units. The BFT System consists of a FBCB2 V4 Appliqué Computer, Precision Lightweight GPS Receiver (PLGR), Comtech MTS-2011 L-Band Transceiver, A-Kit Brackets and harness.

FY04 BFT Thin Fielding supported Operation Iraq Freedom (OIF) rotational units. FY05-08 BFT fielding will support KLO fielding in selected units and OIF Rotational Units.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Requirements Document Complete Nov 02
First Unit Equipped (FUE) Mar 03

Installation Schedule

	Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	1417	130	130	129	129			186	186												
Outputs	1417					130	130	129	129			186	186								

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		2307
Outputs																		2307

METHOD OF IMPLEMENTATION: Contractor **ADMINISTRATIVE LEADTIME:** 7 months **PRODUCTION LEADTIME:** 12 months

Installation

Contract Dates: FY 2008 - Apr 08 FY 2009 - FY 2010 -

Delivery Dates: FY 2008 - Apr 09 FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Blue Force Tracking [MOD 4] 2-04-05-0004

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Kit Quantity	1417	33.6	518	17.7	372	6.7														2307	58.0
Installation Kits																					
Installation Kits, Nonrecurring																					
Equipment																					
Equipment, Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment																					
Support Equipment																					
Other																					
Interim Contractor Support																					
Installation of Hardware																					
FY 2005 & Prior Equip -- Kits	1417																			1417	
FY 2006 -- Kits																					
FY 2007 Equip -- Kits					518															518	
FY 2008 Equip -- Kits							372													372	
FY 2009 Equip -- Kits																					
FY 2010 Equip -- Kits																					
FY 2011 Equip -- Kits																					
FY 2012 Equip -- Kits																					
TC Equip- Kits																					
Total Installment	1417	0.0	0	0.0	518	0.0	372	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2307	0.0	
Total Procurement Cost		33.6		17.7		6.7		0.0		0.0		0.0		0.0		0.0		0.0		58.0	

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: BFVS High Priority Improvements [MOD 5] 1-98-05-4550

MODELS OF SYSTEM AFFECTED: Bradley Family of Vehicles Fleet

DESCRIPTION / JUSTIFICATION:

The Bradley Fighting Vehicle Systems (BFVS) are expected to remain in service through at least 2050. These vehicles represent the primary mechanized Infantry, Cavalry and Engineer forces in the Heavy Brigade Combat Teams which are complementary with the fielding of the Future Combat System. In order to remain viable and retain a strategic combat overmatch against consistently improving threat forces/technologies, several modifications will be incorporated on these systems. The production implementation of these improvements will be incorporated into the A3 production line, but vehicles built prior to the upgrades require modifications based on spin-out technologies integrated into the platforms from Future Combat Systems (FCS). The modifications include the addition of Bradley Urban Survivability upgrades such as Counter Remote Control Improvised Explosive Device (RCIED) Electronic Warfare (CREW II), a vehicle powertrain upgrade to support Bradley Urban Survivability initiatives, a one gigabyte slip ring to allow uninterrupted data flow between hull and turret, a Thermal Management System to control vehicle and Line Replaceable Unit (LRU) temperature, electrical power and common modular power upgrades to provide a common power architecture with other Heavy Brigade Combat Team and Future Combat System platforms. It also includes improved overall power system management and vehicle health management upgrades to improve embedded diagnostic and troubleshooting capability, eliminate obsolete Automated Test Equipment and implement condition based maintenance. Installation schedule in not provided: quantities vary depending on the vehicle configuration.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

	Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	2393																				
Outputs	2393																				

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		2393
Outputs																		2393

METHOD OF IMPLEMENTATION: Depot Teams **ADMINISTRATIVE LEADTIME:** 4 months **PRODUCTION LEADTIME:** 6 months
Contract Dates: FY 2008 - Jan 08 FY 2009 - FY 2010 -
Delivery Dates: FY 2008 - Jul 08 FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): BFVS High Priority Improvements [MOD 5] 1-98-05-4550

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
CMED Driver Vision Upgrade	617	82.8		2.7															617	85.5
Reset Mods	756	7.4		3.1															756	10.5
INU/Talon	271	4.5		0.5															271	5.0
Heat Abatement/Cargo Hatch	2764	2.8																	2764	2.8
High Priority Mods																	122.8			122.8
Urban Survivability Mods			65.7		30.7															96.4
Installation of Hardware																				
FY 2005 & Prior Equip -- Kits	1357																		1357	
FY 2006 -- Kits	170																		170	
FY 2007 Equip -- Kits	866	2.0																	866	2.0
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY2010 Equip-- Kits																				
2011 Equip -- kits																				
TOC Equip -- kits																				
Total Installment	2393	2.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2393	2.0
Total Procurement Cost		99.5		72.0		30.7		0.0		0.0		0.0		0.0		0.0		122.8		325.0

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: ODS Situational Awareness [MOD 6] 2-07-05-0017

MODELS OF SYSTEM AFFECTED: M2/M3 ODS

DESCRIPTION / JUSTIFICATION:

The Bradley ODS Situational Awareness (SA) is an upgrade to the Bradley A2 ODS vehicle; the A2 Integrated Sight Unit (ISU), a 1st Gen Forward Looking Infrared (FLIR) is replaced with the Improved Bradley Acquisition System (IBAS), a 2nd GEN FLIR. This replacement improves the commander's and gunner's surveillance capability (detection and recognition range), while maintaining the Bradley's A2 EV's lethality, survivability, sustainability and eliminates obsolescence.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

Pr Yr	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs										91	91	91		96	96	97		97	98	98
Outputs														91	91	91		96	96	97

FY 2012	FY 2013				FY 2014				FY 2015				To Complete	Totals							
	1	2	3	4	1	2	3	4	1	2	3	4									
Inputs		96	96	96	11																1154
Outputs		97	98	98		96	96	96	11												1154

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 4 months PRODUCTION LEADTIME: 12 months
 Contract Dates: FY 2008 - FY 2009 - Jan 09 FY 2010 - Jan 10
 Delivery Dates: FY 2008 - FY 2009 - Jan 10 FY 2010 - Jan 11

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): ODS Situational Awareness [MOD 6] 2-07-05-0017

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
RDT&E																						
Procurement																						
ODS Situational Awareness							273	311.9	289	323.8	293	393.7	288	351.6	11	12.6					1154	1393.6
Installation of Hardware																						
FY 2006 & Prior Equip -- Kits																						
FY 2007 -- Kits																						
FY 2008 Equip -- Kits																						
FY 2009 Equip -- Kits									273													
FY 2010 Equip -- Kits										289												
FY 2011 Equip -- Kits												293										
FY 2012 Equip -- Kits														288								
FY 2013 Equip -- Kits																	11					
TC Equip- Kits																						
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	273	0.0	289	0.0	293	0.0	288	0.0	11	0.0	1154	0.0		
Total Procurement Cost		0.0		0.0		0.0		311.9		323.8		393.7		351.6		12.6		0.0		1393.6		

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:
0604854A.016

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	1560.2	44.4	22.5	28.9	98.8	157.5	176.9	221.4	43.8	2354.4
Less PY Adv Proc	16.3									16.3
Plus CY Adv Proc	16.3									16.3
Net Proc P1	1560.2	44.4	22.5	28.9	98.8	157.5	176.9	221.4	43.8	2354.4
Initial Spares										
Total Proc Cost	1560.2	44.4	22.5	28.9	98.8	157.5	176.9	221.4	43.8	2354.4
Flyaway U/C										
Weapon System Proc U/C										

Description:

The funding profile funds selected Paladin System Improvements and retrofits those improvements on to fielded Paladins. The program included the Modular Artillery Charge System (MACS) Storage and Handling modifications which provides accessibility, noise reduction, positive restraint, and accommodates for future longer projectiles such as Excalibur. It also includes the Paladin Digital Fire Control System (PDFCS) modification that replaces the current Automatic Fire Control System (AFCS) computer, power conditioning unit, keypad, display, and muzzle velocity radar, which addresses obsolescence, reliability, and soldier burden issues as well as provide for integration of Excalibur. The Paladin Integrated Management (PIM) program will provide for the procurement of the approved modification to the 155MM Self-Propelled Howitzer and Field Artillery Ammunition Support Vehicle.

Justification:

FY09 procures the following improvements necessary for the vehicle to operate and interface with other systems on the battlefield: Modular Artillery Charge System (MACS) Storage and Handling; and Paladin Digital Fire Control System (PDFCS).

FY2007 funding total includes \$15.785 million received in GWOT supplemental.

FY2008 funding totals do not include \$41.211 million previously requested for current FY2008 GWOT requirements.

Exhibit P-40M, Budget Item Justification Sheet											Date: February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles						P-1 Item Nomenclature HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)						
Program Elements for Code B Items:								Code: A		Other Related Program Elements: 0604854A.016		
Description		Fiscal Years										
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total	
Paladin Digital Fire Control System (PDFCS)												
1-81-05-1002	Unclassified	1555.2	33.7	17.8	20.2	25.8	15.9	0.0	0.0	0.0	1668.6	
Chlorofluorocarbon (CFC Elimination)												
1-96-05-1003	Unclassified	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	
Modular Artillery Charge System (MACS)												
1-81-05-1002	Unclassified	1.5	10.7	4.7	8.7	0.0	0.0	0.0	0.0	0.0	25.6	
Paladin Integrated Management (PIM)												
0-00-00-0000		0.0	0.0	0.0	0.0	73.0	141.6	176.9	221.4	43.8	656.7	
Totals		1560.2	44.4	22.5	28.9	98.8	157.5	176.9	221.4	43.8	2354.4	

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Paladin Digital Fire Control System (PDFCS) [MOD 1] 1-81-05-1002

MODELS OF SYSTEM AFFECTED: Howitzer, MED SP 155MM M109 Series (MOD)

DESCRIPTION / JUSTIFICATION:

FY07-FY11 funding is for system improvements necessary for the vehicle to operate and interface with other systems on the battlefield - Modular Artillery Charge System (MACS) Storage and Handling and Paladin Digital Fire Control System (PDFCS). Without the MACS Storage and Handling improvement, Paladin would not be able to store the required Modular Charges and would not be able to accommodate longer projectiles such as the Excalibur. The current Paladin Automatic Fire Control System (AFCS) is no longer producible because of parts obsolescence. Due to growing unreliability problems with aging hardware and a known vulnerability to high temperature environments, Paladin operational readiness and availability requirements are at risk. The current Paladin AFCS is experiencing a higher rate of failure as ambient temperature climbs during hot months, both CONUS and OCONUS. PDFCS fixes the reliability, and vulnerability of the current Paladin Auxiliary Control Unit (ACU) computer. In addition, the current Paladin AFCS is unable to support the urgent requirement to fire the Excalibur smart munition because the computer architecture is unable to support the needed additional capabilities. PDFCS is required for Excalibur integration into the system. Without these modernizations, the Army will not be able to provide the most combat effective fire support platform available to our war fighters.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

The M109A6 was approved for entry into full scale development in November 1984. At that time, DA decided to modify M109A2/A3 Howitzers to a Howitzer Improvement Program (HIP) configuration. It was decided to merge the Howitzer Extended Life Program (HELP) in the HIP where kits from both programs would be applied to the M109A2/A3 Howitzer. The improved 155MM Self-Propelled Howitzer was approved for Type Classification-Low Rate Production (TC-LRP) and designated the M109A6 Howitzer following a Milestone III ASARC on 7 February 1990. In March 1993, a Milestone III Pre-ASARC review was chaired by the Assistant Secretary of the Army for Research, Development and Acquisition, and the M109A6 Paladin was approved for Type Classification - Standard and full rate production and deployment. This Milestone III is documented in Acquisition Decision Memorandum dated 9 April 1993. The Paladin production program completed deliveries of the multiyear contract ahead of schedule.

Installation Schedule

	Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs	236		23	23	22	24	24	23	23	48	48	47	47	25	25	24	24	33	33	33	33	
Outputs	226		24	24	26	20	20	20	20	40	46	38	38	25	25	24	24	33	33	33	33	
		FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
Inputs	29	29	30	20																		926
Outputs	26	26	26	26	25	25																926

METHOD OF IMPLEMENTATION: Production / ADMINISTRATIVE LEADTIME: 2 months PRODUCTION LEADTIME: 11 months
 Contractor
 Contract Dates: FY 2008 - FY 2009 - Nov 08 FY 2010 - Nov 09
 Delivery Dates: FY 2008 - FY 2009 - Oct 09 FY 2010 - Oct 10

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Paladin Digital Fire Control System (PDFCS) [MOD 1] 1-81-05-1002

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity/Material	286		94		124		126		193		103								926	
Equipment		852.6		22.0		15.0		16.3		22.0		13.0								940.9
Equipment, Nonrecurring		245.6																		245.6
Engineering Change Orders		116.6																		116.6
Matrix Personnel Support		108.2		2.9		0.5		0.5		0.8		0.8								113.7
Data/Other		20.7		0.4		0.4		0.4		0.7		0.7								23.3
Training Equipment		14.1																		14.1
Vehicular Intercom System		11.3																		11.3
Project Mgmt Admin		33.6		1.6		0.7		1.6		1.6		1.1								40.2
Fielding		43.5		0.5		0.8		1.2		0.7		0.3								47.0
System Improvements		26.1		6.3		0.4		0.2												33.0
Installation of Hardware																				
FY 2005 & Prior Equip -- Kits	152	82.9																	152	82.9
FY 2006 -- Kits	74																		74	
FY 2007 Equip -- Kits			74																74	
FY 2008 Equip -- Kits					80														80	
FY 2009 Equip -- Kits							162												162	
FY 2010 Equip -- Kits									98										98	
FY 2011 Equip -- Kits											132								132	
FY 2012 Equip -- Kits													104						104	
TC Equip- Kits															50				50	
Total Installment	226	82.9	74	0.0	80	0.0	162	0.0	98	0.0	132	0.0	104	0.0	50	0.0	0	0.0	926	82.9
Total Procurement Cost		1555.2		33.7		17.8		20.2		25.8		15.9		0.0		0.0		0.0		1668.6

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Modular Artillery Charge System (MACS) [MOD 3] 1-81-05-1002

MODELS OF SYSTEM AFFECTED: Howitzer, MED SP 155MM M109 Series (MOD)

DESCRIPTION / JUSTIFICATION:

FY07-FY09 funding is for system improvements necessary for the vehicle to operate and interface with other systems on the battlefield - Modular Artillery Charge System (MACS) Storage and Handling and Paladin Digital Fire Control System (PDFCS). Without the MACS Storage and Handling improvement, Paladin would not be able to store the required Modular Charges and would not be able to accommodate longer projectiles such as the Excalibur. The current Paladin Automatic Fire Control System (AFCS) is no longer producible because of parts obsolescence. Due to growing unreliability problems with aging hardware and a known vulnerability to high temperature environments, Paladin operation readiness and availability requirements are at risk. The current Paladin AFCS is experiencing a higher rate of failure as ambient temperature climbs during hot months, both CONUS and OCONUS. PDFCS fixes the reliability, and vulnerability of the current Paladin Auxiliary Control Unit (ACU) computer. In addition, the current Paladin AFCS is unable to support urgent requirement to fire the Excalibur smart munition because the computer architecture is unable to support the needed additional capabilities. PDFCS is required for Excalibur integration into the system. Without these modernizations, the Army will not be able to provide the most combat effective fire support platform available to our war fighters.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

The M109A6 was approved for entry into full scale development in November 1984. At that time, DA decided to modify M109A2/A3 Howitzers to a Howitzer Improvement Program (HIP) configuration. It was decided to merge the Howitzer Extended Life Program (HELP) in the HIP where kits from both programs would be applied to the M109A2/A3 Howitzer. The improved 155MM Self-Propelled Howitzer was approved for Type Classification-Low Rate Production (TC-LRP) and designated the M109A6 Howitzer following a Milestone III ASARC (Army Systems Acquisition Review Council) on 7 February 1990. In March 1993, a Milestone III Pre-ASARC review was chaired by the Assistant Secretary of the Army for Research, Development and Acquisition, and the M109A6 Paladin was approved for Type Classification - Standard and Full Rate Production and Deployment. This Milestone III is documented in Acquisition Decision Memorandum dated 9 April 1993. The Paladin production program completed deliveries of the multiyear contract ahead of schedule.

Installation Schedule

	Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs	549			38	38	37	37	15	15	15	15	34	34	34	35							
Outputs	453	36	36	36	36	36	36	36	24	15	15	34	34	34	35							

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						896
Outputs																						896

METHOD OF IMPLEMENTATION: Production/Contract ADMINISTRATIVE LEADTIME: 4 months PRODUCTION LEADTIME: 6 months
 Contract Dates: FY 2008 - FY 2009 - Jan 09 FY 2010 -
 Delivery Dates: FY 2008 - FY 2009 - Mar 09 FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Modular Artillery Charge System (MACS) [MOD 3] 1-81-05-1002

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity	549		150		60		137												896	
Equipment		0.5		6.6		2.6		6.4												16.1
Equipment, Nonrecurring																				
Engineering Change Orders																				
Matrix Personnel Support		0.3		0.2		0.2		0.2												0.9
Data		0.3		0.3		0.3		0.3												1.2
Training Equipment																				
Vehicular Intercom System																				
Project Mgmt Admin		0.1		0.9		0.5		0.7												2.2
Fielding		0.3		2.7		1.1		1.1												5.2
System Improvements																				
Installation of Hardware																				
FY 2005 & Prior Equip -- Kits	423																		423	
FY 2006 -- Kits	30																		30	
FY 2007 Equip -- Kits			144																144	
FY 2008 Equip -- Kits					132														132	
FY 2009 Equip -- Kits							98												98	
FY 2010 Equip -- Kits									69										69	
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
TC Equip- Kits																				
Total Installment	453	0.0	144	0.0	132	0.0	98	0.0	69	0.0	0	0.0	0	0.0	0	0.0	0	0.0	896	0.0
Total Procurement Cost		1.5		10.7		4.7		8.7		0.0		0.0		0.0		0.0		0.0		25.6

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Paladin Integrated Management (PIM) [MOD 4] 0-00-00-0000

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

FY10-FY13 funding is for system improvement necessary to address all obsolescence, reliability, maintainability and supportability faced by the Paladin and Field Artillery Ammunition Supply Vehicle (FAASV) today and the near future to include: Power Train Upgrade; Suspension System; electronic sub-systems to include the next generation fire control system, navigation system, communication/data transfer and Vehicle Health Management System; Improvement Gun Drive System to meet the needs of the future battlefield. Without this modernization program the Army will not be able to support and maintain the current combat fire support platform effectively to our war fighter. Installation of hardware included in kit costs.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

The Development phase of the PIM program will begin in FY08 with Low Rate Initial Production (LRIP) to begin in FY10.

Installation Schedule

Pr Yr	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Totals																					
Inputs																				6	6
Outputs																				6	6

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs	7	7	7	8	11	11	11	12	14	15	15	7					463	600
Outputs	7	7	7	8	11	11	11	12	14	15	15	7					463	600

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

9 months

PRODUCTION LEADTIME:

12 months

Contract Dates:

FY 2008 -

FY 2009 -

FY 2010 - Jun 10

Delivery Dates:

FY 2008 -

FY 2009 -

FY 2010 - Jun 11

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Paladin Integrated Management (PIM) [MOD 4] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
Kit Quantity/Material									15		33		39		50		463		600	
Equipment									27.8		97.0		137.4		179.2		40.8		482.2	
Equipment, Nonrecurring									2.0		8.6		12.2		9.9				32.7	
System Improvements-STS									0.9		3.3		4.7		6.2				15.1	
Fielding																	3.0		3.0	
Matrix Personnel Support									12.1		18.5		19.5		21.9				72.0	
Project Mgmt Admin									30.2		14.2		3.1		4.2				51.7	
Testing																				
Installation of Hardware/Labor																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits											12								12	
FY 2012 Equip -- Kits													29						29	
FY 2013 Equip -- Kits															45				45	
TC Equip- Kits																	514		514	
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12	0.0	29	0.0	45	0.0	514	0.0	600	0.0
Total Procurement Cost		0.0		0.0		0.0		0.0		73.0		141.6		176.9		221.4		43.8		656.7

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles
 P-1 Item Nomenclature IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)

Program Elements for Code B Items: Code: A Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	210	149	86	39	44	53	50	37		668
Gross Cost	593.8	358.7	258.5	132.7	148.1	177.1	173.8	132.2		1975.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	593.8	358.7	258.5	132.7	148.1	177.1	173.8	132.2		1975.0
Initial Spares										
Total Proc Cost	593.8	358.7	258.5	132.7	148.1	177.1	173.8	132.2		1975.0
Flyaway U/C										
Weapon System Proc U/C	2.8	2.4	3.0	3.4	3.4	3.3	3.5	3.6		25.4

Description:
 The M88A2 Heavy Equipment Recovery Combat Utility Lift and Evacuation System (HERCULES), is an armored, full tracked, diesel-powered, recovery vehicle based on M88A1 chassis and configured with an A-frame boom, three winches and an upgraded spade. The boom has a 35-ton lift capacity and the main winch has a constant pull capacity of 70 tons. The hull is armored for protection against small arms fire, artillery fragments and anti-personnel mines. The vehicle mounts a 50 caliber machine gun for self-protection. The M88A2 HERCULES is the only single-recovery vehicle capable of performing recovery, evacuation and limited repair of the Abrams main battle tank.

Justification:
 FY2009 procures a total of 39 M88A2 HERCULES utilizing the existing M88A1 chassis as the base vehicle and incorporating a new engine, auxiliary winch, constant pull main recovery winch, new hoist/boom, a new final drive and new brake, track and suspension systems increasing the horsepower, brake/steering, winch, lift and suspension characteristics which will allow the safe recovery of Abrams tanks and other 70 ton combat vehicles. Fulfills the Heavy Brigade Combat Team (HBCT) Army's Campaign Plan modularity objectives. The fielded M88A1 lacks the necessary horsepower and braking to safely support the recovery of the Abrams fleet. Improvements incorporated into HERCULES fix these operational shortcomings. In addition, the increased winching and lifting capability accommodates all Abrams variants including the 70 ton M1A2 System Enhancement Program (SEP). Without the improvements incorporated in the M88A2 HERCULES, units must use two recovery vehicles to perform the spectrum of recovery missions.

FY2007 funding total includes \$334.035 million received in GWOT supplemental.
 FY2008 funding total includes \$135.000 million received in the Consolidated Appropriations Act, 2008 (P.L. 110-161).
 FY2008 funding totals do not include \$185.461 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature: IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Vehicle Manufacturing - Contractor		A	265179	149	1780	226401	86	2633	112638	39	2888
Vehicle Manufacturing - GFE			15940			9590			4410		
Engine Re-Power			24900								
Improved Production Rate Capabilities						1000					
Engine Repower Facility Vehicle			1200								
Manufacturing - TAGS			4000	280	14						
Contractor Engineering			21451			4608			4811		
Engineering Change Orders			2000			1292			1200		
Program Management -Core			4000			1700			2200		
Project Management - OGA			817			1438			976		
Transportation			3000			1462			680		
Fielding (TPF & NET)			2241			1129			627		
Testing (incl analysis & development)			3100			2000			1500		
Depot Maintenance - Premodification			10909			7866			3659		
Total:			358737			258486			132701		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Vehicle Manufacturing - Contractor										
FY 2007	BAE Systems York, PA	SS-FFP	TACOM	Nov 06	Jan 08	149	1780	YES		Sep 06
FY 2008	BAE Systems York, PA	SS-FFP	TACOM	Jan 08	Mar 09	86	2633	YES		Nov 07
FY 2009	BAE Systems York, PA	SS-FFP	TACOM	Jan 09	Mar 10	39	2888	YES		Nov 08
Manufacturing - TAGS										
FY 2007	BAE Systems York, PA	SS-FFP	TACOM	Nov 06	Jul 07	280	14	YES		Sep 06

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
ARMORED BREACHER VEHICLE (G82925)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty			13	11	17	27	46	18		132
Gross Cost			41.2	34.7	53.8	80.3	130.1	53.1		393.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1			41.2	34.7	53.8	80.3	130.1	53.1		393.2
Initial Spares										
Total Proc Cost			41.2	34.7	53.8	80.3	130.1	53.1		393.2
Flyaway U/C										
Weapon System Proc U/C			3.2	3.2	3.2	3.0	2.8	3.0		18.2

Description:

The Assault Breacher Vehicle (ABV) is a joint program with the United States Marine Corps (lead service). It is a tracked combat engineer vehicle for the Marine Air Ground Task Force & Army Heavy Brigade Combat Team (HBCT). The ABV will be assigned to engineer companies in HBCTs. The ABV will provide crew protection and vehicle survivability while having the speed and mobility to keep pace with the maneuver force. Major components of this system include a removable Full-Width Mine Plow (FWMP), 2nd Combat Dozer Blade (CDB), two linear demolition charges (LDC), a lane-marking system, and weapon station integration on a modified M1A1 tank hull.

Justification:

FY2009 modifies 11 Assault Breacher Vehicles.

The ABV is required to provide tracked armored capability to breach minefields, complex obstacles providing in-stride breaching and lane marking capability in HBCTs. It will fill the requirement to clear a lane of sufficient width and depth for the assault forces and will be operated by a two-man crew.

The ABV is critical to the Army's plans for a modular, brigade-based force structure.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature: ARMORED BREACHER VEHICLE (G82925)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware						37531	13	2887	32483	11	2953
Fielding Support											
Program Support						500			610		
Logistics Products						1300			600		
Matrix Support						950			655		
Transportation						224			265		
ECP's						714			100		
Total:						41219			34713		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:		P-1 Line Item Nomenclature: ARMORED BREACHER VEHICLE (G82925)						
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
Hardware										
FY 2008	Anniston Army Depot Anniston, AL	MIPR	Quantico, VA	Feb 08	Apr 09	13	2887	N/A	N/A	N/A
FY 2009	Anniston Army Depot Anniston, AL	MIPR	Quantico, VA	Dec 08	Feb 10	11	2953	N/A	N/A	N/A

REMARKS: This system is managed by the Marine Corps Systems Command. Key components such as the lane-marking system, FWMP, and CDB Launcher hardware will be procured through their contracting office. Integration of the components and the M1A1 hull will be performed by Anniston Army Depot.

FY 08 / 09 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE ARMORED BREACHER VEHICLE (G82925)	Date: February 2008
--	--	------------------------

COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08												Calendar Year 09												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Hardware																															
1	FY 08	A	13	0	13						A																		7		
1	FY 09	A	11	0	11														A											11	
Total			24		24																									18	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	Initial	Reorder			0	5				
1	Anniston Army Depot, Anniston, AL	1	12	36		1	Initial	0	5	14	19	ABV production lead time is 14 months at ANAD.
							Reorder	0	3	14	17	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
ARMORED VEH LAUNCH BRIDGE (AVLB) (MOD) (GZ3000)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty		6								6
Gross Cost	162.3	35.8								198.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	162.3	35.8								198.1
Initial Spares										
Total Proc Cost	162.3	35.8								198.1
Flyaway U/C										
Weapon System Proc U/C		6.0								6.0

Description:

The Armored Vehicle Launch Bridge (AVLB) is the legacy assault bridge system supporting gap crossings of heavy forces and consists of a scissors type bridge mounted on an M48/M60 based launcher. AVLBs are primarily assigned to Combat Engineer, Training Units and War Reserve sites. Work in prior years applied outstanding Maintenance Work Orders (MWO) across the fleet to bring the fleet to a common configuration; developed and upgraded the hydraulic and electrical system which was applied to a limited number of AVLBs.

The Joint Assault Bridge (JAB) is a joint program with the United States Marine Corps to mount the current Armored Vehicle Launched Bridge on an M1A1 chassis. The JAB replaces the existing M48/M60 chassis of the AVLB with the M1A1 chassis to provide a supportable, survivable system capable of keeping pace on the battle field with the ABRAMS and Bradley equipped forces it supports. JAB will be assigned to Maneuver Augmentation Companies (MAC).

See SSN GZ3001 for Program Funding in FY08-13 for the Joint Assault Bridge (JAB) and G82925 for the Armored Breacher Vehicle (ABV)

Justification:

FY2009 has no funding.

Exhibit P-40M, Budget Item Justification Sheet											Date: February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles						P-1 Item Nomenclature ARMORED VEH LAUNCH BRIDGE (AVLB) (MOD) (GZ3000)						
Program Elements for Code B Items:								Code: A		Other Related Program Elements:		
Description			Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total	
Hydraulic/Electrical Upgrade												
0-00-00-0000	Oper Capability	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	
Prior Completed Mods												
0-00-00-0000		146.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146.0	
Battlefield Combat Identification Systems												
0-00-00-0000	Oper Capability	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	
AVLB Common Chassis Mod												
1-97-05-4531	Oper Capability	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	
Joint Assault Bridge												
0-00-00-0000	Oper Capability	0.0	35.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.8	
Totals		162.3	35.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	198.1	

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Joint Assault Bridge [MOD 5] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: M1A1/AVLB

DESCRIPTION / JUSTIFICATION:

The Joint Assault Bridge (JAB) is a joint program with the United States Marine Corps to mount the current Armored Vehicle Launched Bridge on an M1A1 chassis. The JAB replaces the existing M48/M60 chassis of the AVLB with the M1A1 chassis to provide a supportable, survivable system capable of keeping pace on the battle field with the Abrams and Bradley equipped forces it supports. JAB will be assigned to Maneuver Augmentation Companies (MAC). FY08 and out-year funding for the JAB is found on P FORM GZ3001.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

MS"B"-- May05

Pre-Production Qualification Test--Apr 07

Limited User Test--Jul 08

MS"C"--Sep 08

Operational Test--2nd Qtr 09

Full Rate Production--Jun 09

PLEASE NOTE: FY07 funds were required for the purchase of critically required long lead items in order to complete the required conversion. The purchase of these items were delayed due to the program delay of having a signed Milestone Decision Authority (MDA) that occurred in May 2007. The program requires 13-14 months to complete this conversion.

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs			6																	
Outputs							2	4												

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		6
Outputs																		6

METHOD OF IMPLEMENTATION: Depot Application ADMINISTRATIVE LEADTIME: 2 months PRODUCTION LEADTIME: 10 months

Contract Dates: FY 2008 - FY 2009 - FY 2010 -

Delivery Dates: FY 2008 - FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Joint Assault Bridge [MOD 5] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
Quantity			6	5.9															6	5.9
Launchers				10.4																10.4
Army Long Lead				12.6																12.6
Launchers Long Lead																				
STS				1.7																1.7
Matrix Support				4.1																4.1
Logistics																				
Testing				0.4																0.4
Power Units																				
Program Support				0.7																0.7
Installation																				
Bridge Refurb					6														6	
Vehicle Refurb																				
Fabrication																				
Total Installment	0	0.0	0	0.0	6	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	0.0
Total Procurement Cost		0.0		35.8		0.0		0.0		0.0		0.0		0.0		0.0		0.0		35.8

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
JOINT ASSAULT BRIDGE (GZ3001)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty			2	11	23	27	27	12		102
Gross Cost			12.8	40.5	72.3	85.7	85.8	40.5		337.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1			12.8	40.5	72.3	85.7	85.8	40.5		337.6
Initial Spares										
Total Proc Cost			12.8	40.5	72.3	85.7	85.8	40.5		337.6
Flyaway U/C										
Weapon System Proc U/C			6.4	3.7	3.1	3.2	3.2	3.4		23.0

Description:

The Joint Assault Bridge (JAB) is a joint program with the United States Marine Corps (lead service). It entails mounting the current Armored Vehicle Launched Bridge (AVLB) on an M1A1 hull. The JAB replaces the existing M48/M60 chassis of the AVLB with the M1A1 chassis to provide a supportable, survivable system capable of keeping pace on the battle field with the Abrams and Bradley equipped forces it supports. JAB will be assigned to combat engineer Mobility Augmentation Companies (MAC).

Justification:

FY2009 procures 11 Joint Assault Bridges (JABs).

The JAB is required to provide the Marine Air Ground Task Force and Army Heavy Brigade Combat Team with a survivable, deployable and sustainable 18.3 Meter wet/dry gap crossing capability to replace the aging Armored Vehicle Launch Bridge (AVLB) system in the Mobility Augmentation Companies. The JAB is critical to the Army's plans for a modular, brigade-based force structure.

FY2008 funding totals do not include \$38.400 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature: JOINT ASSAULT BRIDGE (GZ3001)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware						5806	2	2903	32670	11	2970
Fielding Support									3750		
Logistics Products						3750			634		
Matrix Support						1884			1447		
Program Support						850			850		
Transportation						350			888		
ECPs						200			225		
Total:						12840			40464		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles			Weapon System Type:		P-1 Line Item Nomenclature: JOINT ASSAULT BRIDGE (GZ3001)					
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
Hardware										
FY 2008	Anniston Army Depot Anniston, AL	MIPR	Quantico, VA	Jun 08	Oct 09	2	2903	N/A	N/A	N/A
FY 2009	Anniston Army Depot Anniston, AL	MIPR	Quantico, VA	Dec 08	Jan 10	11	2970	N/A	N/A	N/A

REMARKS: This system is managed by the Marine Corps Systems Command. Launcher hardware will be procured through their contracting office. Integration of the launcher mechanism, M1A1 hull, and bridge will be performed by Anniston Army Depot.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
M1 ABRAMS TANK (MOD) (GA0700)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:
0203735.330

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	1699.8	828.5	785.0	341.6	253.2	335.0	261.0	25.7	1993.9	6523.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	1699.8	828.5	785.0	341.6	253.2	335.0	261.0	25.7	1993.9	6523.7
Initial Spares										
Total Proc Cost	1699.8	828.5	785.0	341.6	253.2	335.0	261.0	25.7	1993.9	6523.7
Flyaway U/C										
Weapon System Proc U/C										

Description:

The Abrams Tank Fleet Modification Program applies Materiel Developer and Combat Developer approved modifications to the fielded Abrams family of vehicles and the Abrams Integrated Management (AIM) RECAP Programs to include the M1A2 System Enhancement Package (SEP) "0" Time overhaul Program and M1A2 SEP Version 2 Improvements. Unique M1A1 Situational Awareness improvements include Block I Forward Looking InfraRed (FLIR) and Far Target Locate. M1A2 Lethality improvements include Stabilized Commander's Weapon Station (SCWS) and M829A3 Ballistic Solution upgrades. Common Abrams modifications include Blue Force Tracking (BFT) which is a digital Command and Control system that gives Army commanders across the battlefield current information about their location relative to friendly forces, Power Train Improvement & Integration Optimization Program (i.e. Total Integrated Engine Revitalization (TIGER) and Transmission Enterprise) which provide more reliability, durability and a single standard for the vehicle's power train. Survivability improvements include Frontal Armor and Turret Side Armor upgrades. Tank Urban Survivability Kit (TUSK) is an add on kit that increases crew survivability in urban environments. Key safety improvements include the loaders tray modification and ammunition rack upgrades.

Justification:

FY2009 procures long lead material for the M1A2 SEP "0" Time overhaul program (AIM Process), TIGER Engines for both the ARNG and Army units, as well as operational enhancements for the M1A1 Situational Awareness (SA) and M1A2 SEP to include Ammunition Rack Upgrades, Loaders Tray Safety Fixes, Mine Resistant Seats, Drivers Rear Camera, Tiger Data Memory Module, Counter RCIED (Remote Controlled Improvised Explosive Device) Electronic Warfare (CREW) Integration Kit, Embedded Training, Profile Verification Program (PVP), Improved Track, and Stabilized Commander's Weapon Station (SCWS).

FY2007 funding total includes \$649.959 million received in GWOT supplemental.

FY2008 funding total includes \$200.000 million received in the Consolidated Appropriations Act, 2008 (P.L. 110-161).

FY2008 funding totals do not include \$388.585 million previously requested for current FY2008 GWOT requirements.

Exhibit P-40M, Budget Item Justification Sheet										Date: February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles					P-1 Item Nomenclature M1 ABRAMS TANK (MOD) (GA0700)						
Program Elements for Code B Items:							Code: A		Other Related Program Elements: 0203735.330		
Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total
Prior Year Closed Mod's											
0-00-00-0000		528.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	528.3
Abrams Field Upgrades											
1-97-05-4534	Operational	148.1	43.6	23.0	23.5	23.9	24.5	24.9	25.7	500.0	837.2
Abrams Integrated Management (AIM)											
2-04-05-0009	Operational	268.3	96.0	6.5	10.4	11.1	168.2	104.1	0.0	0.0	664.6
Driver's Hatch Interlock (DHI)											
1-97-05-4520	Safety	39.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.1
NBC Fire Prevention											
1-97-05-4524	Safety	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3
Blue Force Tracking											
2-04-05-0007	Operational	24.0	3.4	14.0	0.0	0.0	0.0	0.0	0.0	0.0	41.4
Other Operational Enhancements											
2-04-05-0011	Operational	20.6	21.3	76.5	86.3	103.9	72.3	75.9	0.0	1000.0	1456.8
Armor											
1-99-05-4555	Operational	195.8	195.0	80.4	11.1	0.0	0.0	0.0	0.0	93.9	576.2
Engineering Support											
0-00-00-0000	Operational	50.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400.0	450.2
Situational Awareness/Tank Urban Survivability Kit											
2-04-05-0012	Operational	137.0	252.7	396.0	15.0	12.6	5.0	0.0	0.0	0.0	818.3
Power Pack Improvement & Integration Optimization											
2-04-05-0008	Operational	264.7	213.8	185.9	195.3	101.7	65.0	56.1	0.0	0.0	1082.5
Advanced Ammunition Integration											
1-01-05-0011	Operational	4.4	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	9.8
Totals		1699.8	828.5	785.0	341.6	253.2	335.0	261.0	25.7	1993.9	6523.7

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Abrams Field Upgrades [MOD 2] 1-97-05-4534

MODELS OF SYSTEM AFFECTED: M1A1 and M1A2 series

DESCRIPTION / JUSTIFICATION:

Provides funding for components and labor for required safety related modifications in support of the Abrams family of vehicles. These modifications correct or alleviate operational deficiencies, improve reliability and maintainability, correct faulty performance or quality, reduce logistical support requirements, standardize equipment and training devices, prevent injury or damage to equipment, and meet environmental protection standards identified during testing, training exercises or in combat. Examples of upcoming field modifications include Total Integrated Engine Revitalization (TIGER) Engine Data Memory Modules, safety fixes to prevent ammunition fires and situational awareness components for the Army National Guard. There are no set quantities; upgrades will be applied as needed for the duration of Abrams fielding. Quantities are not listed as they will vary depending on individual tank configuration. .

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

1	2	3	4	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: Contractor Teams ADMINISTRATIVE LEADTIME: 4 months PRODUCTION LEADTIME: 0 months
 Contract Dates: FY 2008 - Jan 08 FY 2009 - Jan 09 FY 2010 - Jan 10
 Delivery Dates: FY 2008 - FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Abrams Field Upgrades [MOD 2] 1-97-05-4534

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity		148.1		43.6		23.0		23.5		23.9		24.5		24.9		25.7		500.0		837.2
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2005 & Prior Equip -- Kits																				
FY 2006 -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 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	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		148.1		43.6		23.0		23.5		23.9		24.5		24.9		25.7		500.0		837.2

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Abrams Integrated Management (AIM) [MOD 3] 2-04-05-0009

MODELS OF SYSTEM AFFECTED: M1A1 SA (658) and M1A2 SEP AIM (96)

DESCRIPTION / JUSTIFICATION:
 This modification will be used for the M1A1 Situational Awareness (SA) and M1A2 System Enhancement Program (SEP) "0" time overhaul (Abrams Integrated Management (AIM)) [Depot Overhaul] Programs. It includes an upgrade to the ammunition rack, improved track and enhanced embedded diagnostics. Modifications to the M1A2 tank will be to sustain the baseline configuration and include electronic upgrades and other obsolescence fixes. Installation costs are included in the contractor costs and cannot be broken out. Contract dates will vary by item and cannot be predicted.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):
 Various - Milestones differ for individual Modifications noted above.

Installation Schedule

	Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	155	36	36	36	36	58	59	59	59	5	5	5	5	5	5	5	6	26	26	28	28
Outputs	55	25	25	25	25	36	36	36	36	58	59	59	59	5	5	5	5	5	5	5	6

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs	17	18	18	18														754
Outputs	26	26	28	28	17	18	18	18										754

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 0 months PRODUCTION LEADTIME: 12 months
 Contract Dates: FY 2008 - Dec 07 FY 2009 - Dec 08 FY 2010 - Dec 09
 Delivery Dates: FY 2008 - Dec 08 FY 2009 - Dec 09 FY 2010 - Dec 10

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Abrams Integrated Management (AIM) [MOD 3] 2-04-05-0009

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
Kit Quantity																				
Installation Kits	155	268.3	366	96.0	13	6.5	20	10.4	21	11.1	108	168.2	71	104.1					754	664.6
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2005 & Prior Equip -- Kits	55																			55
FY 2006 -- Kits			100																	100
FY 2007 Equip -- Kits					144															144
FY 2008 Equip -- Kits							235													235
FY 2009 Equip -- Kits									20											20
FY 2010 Equip -- Kits											21									21
FY 2011 Equip -- Kits													108							108
FY 2012 Equip -- Kits															71					71
TC Equip -- Kits																				
Total Installment	55	0.0	100	0.0	144	0.0	235	0.0	20	0.0	21	0.0	108	0.0	71	0.0	0	0.0	754	0.0
Total Procurement Cost		268.3		96.0		6.5		10.4		11.1		168.2		104.1		0.0		0.0		664.6

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Blue Force Tracking [MOD 6] 2-04-05-0007

MODELS OF SYSTEM AFFECTED: Abrams FOV

DESCRIPTION / JUSTIFICATION:

Blue Force Tracking (BFT) is a digital Command and Control system that gives Army commanders across the battlefield current information about their location relative to friendly forces. Earth orbiting satellites transmit Global Positioning System (GPS) signals to the Precision Lightweight Global Positioning System Receiver (PLGR) or Defense Advanced GPS Receiver (DAGR). The GPS data is then fed to the Force XXI Battle Command - Brigade and Below (FBCB2) computer system which plots the precise location of each BFT equipped combat platform on a resident digital map. The enhanced situational awareness provided by BFT will reduce friendly fire incidents and increase combat effectiveness. There are no set quantities; Modifications will be applied as required by the deployment schedule.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Engineering development.....Planned: 2Q03 Accomplished: 2Q03
 TM Completion.....Planned: 4Q06
 MWO Completion.....Planned: 4Q06

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	To Complete	Totals	
																		FY 2012
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 4 months PRODUCTION LEADTIME: 0 months
 Contract Dates: FY 2008 - Jan 08 FY 2009 - FY 2010 -
 Delivery Dates: FY 2008 - FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Blue Force Tracking [MOD 6] 2-04-05-0007

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Kit Quantity																					
Installation Kits		24.0		3.4		14.0															41.4
Installation Kits, Nonrecurring																					
Equipment																					
Equipment, Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment																					
Support Equipment																					
Other																					
Interim Contractor Support																					
Installation of Hardware																					
FY 2005 & Prior Equip -- Kits																					
FY 2006 -- Kits																					
FY 2007 Equip -- Kits																					
FY 2008 Equip -- Kits																					
FY 2009 Equip -- Kits																					
FY 2010 Equip -- Kits																					
FY 2011 Equip -- Kits																					
FY 2012 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	0.0	0	0.0	0	0.0	0	0.0	0.0
Total Procurement Cost		24.0		3.4		14.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	41.4

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Other Operational Enhancements [MOD 7] 2-04-05-0011

MODELS OF SYSTEM AFFECTED: M1A1 SA and M1A2 SEP

DESCRIPTION / JUSTIFICATION:

This modification includes an interim Auxiliary Power Unit (APU) solution that will power the tank's electrical systems without operating the main engine, an added stowage bracket and cover to accommodate two M4 Carbines, a Profile Verification Program (PVP) and a Counter Remote Controlled Improvised Explosive Device (RCIED) Electronic Warfare (CREW) Integration Kit to enhance crew survivability. Other Operational modifications include the Ammunition Rack Upgrade, Improved Durability Track, Enhanced Embedded Diagnostics which enables Condition Based Maintenance, Embedded Training, a Stabilized Commander's Weapon Station (SCWS), Mine Resistant Seats, Blue Force Tracking, a 1000 AMP Alternator and Battery Management and Future Ammunition Integration. Quantities are not listed as they will vary depending on individual tank configuration. Contract date will likely also vary by item and cannot be predicted.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Items described above will have varying milestones and quantities.

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	To Complete	Totals	
																		FY 2012
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION: Contractor/Depot ADMINISTRATIVE LEADTIME: 0 months PRODUCTION LEADTIME: 0 months
 Contract Dates: FY 2008 - FY 2009 - FY 2010 -
 Delivery Dates: FY 2008 - FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Other Operational Enhancements [MOD 7] 2-04-05-0011

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity																				
Installation Kits		20.6		21.3		76.5		86.3		103.9		72.3		75.9				1000.0		1456.8
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2005 & Prior Equip -- Kits																				
FY 2006 -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 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	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		20.6		21.3		76.5		86.3		103.9		72.3		75.9		0.0		1000.0		1456.8

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Armor [MOD 8] 1-99-05-4555

MODELS OF SYSTEM AFFECTED: Abrams FOV

DESCRIPTION / JUSTIFICATION:

This mod incorporates both Frontal Armor and Improved Side Armor to the Abrams Family of Vehicles. Frontal Armor significantly increases survivability to the soldiers in the field. Improved Side Armor provides better protection against rocket propelled grenade attacks on the turret sides of the crew compartment. Armor is provided by the Department of Energy (DOE). Note that application costs are included in the procurement cost. There are no set quantities because the application of armor is based on tank configuration.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Preliminary Design Review.....PLANNED: 4Q98 ACCOMPLISHED: 4Q98
 VAL/VER Ballistic Testing.....PLANNED: 4Q00 ACCOMPLISHED: 4Q00
 Critical Design Review.....PLANNED: 3Q99 ACCOMPLISHED: 3Q99
 Production Contract Award.....PLANNED: 1Q01 ACCOMPLISHED: 1Q01
 Tech Data Package Available.....PLANNED: 4Q00 ACCOMPLISHED: 4Q00

Installation Schedule

	Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: Contractor Teams **ADMINISTRATIVE LEADTIME:** 4 months **PRODUCTION LEADTIME:** 0 months
 Contract Dates: FY 2008 - Jan 08 FY 2009 - Nov 08 FY 2010 -
 Delivery Dates: FY 2008 - Jan 09 FY 2009 - Nov 09 FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Armor [MOD 8] 1-99-05-4555

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other		195.8		195.0		80.4		11.1										93.9		576.2
Interim Contractor Support																				
Installation of Hardware																				
FY 2005 & Prior Equip -- Kits																				
FY 2006 -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 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	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		195.8		195.0		80.4		11.1		0.0		0.0		0.0		0.0		93.9		576.2

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Situational Awareness/Tank Urban Survivability Kit [MOD 10] 2-04-05-0012

MODELS OF SYSTEM AFFECTED: M1A1 SA and M1A2 SEP

DESCRIPTION / JUSTIFICATION:

From lessons learned during Operation Iraqi Freedom (OIF), some of the M1A2 Systems Enhancement Program (SEP) technologies are being inserted into the M1A1 tank fleet. Integration of the Second Generation Forward Looking InfraRed (FLIR) into the Gunner's Primary Sight provides a leap-ahead target acquisition capability; Far Target Locate (FTL) will improve lethality by calculating the grid coordinates of a lased target; Improved Driver's Sight capability will improve mobility during periods of degraded visibility and darkness; and the 50 Caliber Thermal Sight will allow the tank commander to view or engage the 50 caliber machine gun, day or night. Other lessons learned lead to the development of the Tank Urban Survivability kit and the Counter Improvised Explosive Device (CIED) kits. Components of these kits will be integrated into the Abrams FOV. Quantities are not listed as they will vary depending on individual tank configuration. Contract date will likely also vary by item and cannot be predicted.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Various - Milestones differ for individual Modifications noted above.
Installation dollars included in contractor costs and not broken out separately.

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

1	2	3	4	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 0 months PRODUCTION LEADTIME: 0 months
 Contract Dates: FY 2008 - FY 2009 - FY 2010 -
 Delivery Dates: FY 2008 - FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Situational Awareness/Tank Urban Survivability Kit [MOD 10] 2-04-05-0012

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Kit Quantity																					
Installation Kits		137.0		252.7		396.0		15.0		12.6		5.0									818.3
Installation Kits, Nonrecurring																					
Equipment																					
Equipment, Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment																					
Support Equipment																					
Other																					
Interim Contractor Support																					
Installation of Hardware																					
FY 2005 & Prior Equip -- Kits																					
FY 2006 -- Kits																					
FY 2007 Equip -- Kits																					
FY 2008 Equip -- Kits																					
FY 2009 Equip -- Kits																					
FY 2010 Equip -- Kits																					
FY 2011 Equip -- Kits																					
FY 2012 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	0.0	0	0.0	0	0.0	0	0.0	0.0
Total Procurement Cost		137.0		252.7		396.0		15.0		12.6		5.0		0.0		0.0		0.0		0.0	818.3

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Power Pack Improvement & Integration Optimization [MOD 11] 2-04-05-0008

MODELS OF SYSTEM AFFECTED: M1A2 SEP, M1A1 SA

DESCRIPTION / JUSTIFICATION:

This modification is intended to reduce the Operating and Support (O&S) cost of the Abrams Tank power train. It will equip the Abrams fleet with more reliability, durability and provide a single standard for vehicle's power train. This modification includes the Total Integration Engine Revitalization (TIGER) program as well as the Transmission Enterprise Program. The TIGER Program is a tailored Performance Based Logistics (PBL) program to support the Advanced Gas Turbine (AGT) 1500 Engine Overhaul line. Installation costs are included in contractor charges and are not broken out separately. Quantities are not listed as they will vary depending on individual tank configuration/modification.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Various - Milestones differ for individual modifications noted above.

Installation Schedule

Pr Yr	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs																				
Outputs																				

FY 2012	FY 2013				FY 2014				FY 2015				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs														
Outputs														

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 0 months PRODUCTION LEADTIME: 0 months
 Contract Dates: FY 2008 - FY 2009 - FY 2010 -
 Delivery Dates: FY 2008 - FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Power Pack Improvement & Integration Optimization [MOD 11] 2-04-05-0008

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Kit Quantity																					
Installation Kits																					
Installation Kits, Nonrecurring																					
Equipment		264.7		213.8		185.9		195.3		101.7		65.0		56.1							1082.5
Equipment, Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment																					
Support Equipment																					
Other																					
Interim Contractor Support																					
Installation of Hardware																					
FY 2005 & Prior Equip -- Kits																					
FY 2006 -- Kits																					
FY 2007 Equip -- Kits																					
FY 2008 Equip -- Kits																					
FY 2009 Equip -- Kits																					
FY 2010 Equip -- Kits																					
FY 2011 Equip -- Kits																					
FY 2012 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	0.0	0	0.0	0	0.0	0	0.0	0.0
Total Procurement Cost		264.7		213.8		185.9		195.3		101.7		65.0		56.1		0.0		0.0			1082.5

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Advanced Ammunition Integration [MOD 12] 1-01-05-0011

MODELS OF SYSTEM AFFECTED: M1A1 = 4327; M1A2 = 588 TOTAL = 4915

DESCRIPTION / JUSTIFICATION:

This modification is for the changes to the Abrams tank fire control system needed to fire the new M829A3 Kinetic Energy (KE) round for the 120mm main gun. This includes a programmable Computerized Electronics Unit (CEU), software changes and modifying the existing Gunner's Auxiliary Sight (GAS) to include an appropriate reticle to be able to fire the M829A3. The new ammunition capability will significantly enhance the tank's ability to penetrate the enemy's armor at extended ranges. Installation costs are included in contractor costs and cannot be broken out.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Preliminary Design Review.....PLANNED: 1Q00.....ACCOMPLISHED: 1Q00
 Critical Design Review.....PLANNED: 1Q02.....ACCOMPLISHED: 3Q02
 Type Class - STD.....PLANNED: 4Q02.....ACCOMPLISHED: 4Q02
 Initial Operational Capability.....PLANNED: 4Q03.....ACCOMPLISHED: 2Q04

Installation Schedule

	Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	2457	307	307	307	308	308	307	307	307												
Outputs	1228	307	307	307	308	307	307	307	308	308	307	307	307								

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		4915
Outputs																		4915

METHOD OF IMPLEMENTATION: Depot/Contractor ADMINISTRATIVE LEADTIME: 7 months PRODUCTION LEADTIME: 12 months
 Contract Dates: FY 2008 - Dec 07 FY 2009 - FY 2010 -
 Delivery Dates: FY 2008 - Dec 08 FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Advanced Ammunition Integration [MOD 12] 1-01-05-0011

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
RDT&E																						
Procurement																						
Kit Quantity	2457	4.4	1229	2.7	1229	2.7															4915	9.8
Installation Kits																						
Installation Kits, Nonrecurring																						
Equipment																						
Equipment, Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Support Equipment																						
Other																						
Interim Contractor Support																						
Installation of Hardware																						
FY 2005 & Prior Equip -- Kits	1228																				1228	
FY 2006 -- Kits			1229																		1229	
FY 2007 Equip -- Kits					1229																1229	
FY 2008 Equip -- Kits							1229														1229	
FY 2009 Equip -- Kits																						
FY 2010 Equip -- Kits																						
FY 2011 Equip -- Kits																						
FY 2012 Equip -- Kits																						
TC Equip- Kits																						
Total Installment	1228	0.0	1229	0.0	1229	0.0	1229	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4915	0.0
Total Procurement Cost		4.4		2.7		2.7		0.0		0.0		0.0		0.0		0.0		0.0		0.0		9.8

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
SYSTEM ENHANCEMENT PGM: SEP M1A2 (GA0730)

Program Elements for Code B Items:

Code: A

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	290	240								530
Gross Cost	1376.9	1153.6								2530.5
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	1376.9	1153.6								2530.5
Initial Spares										
Total Proc Cost	1376.9	1153.6								2530.5
Flyaway U/C										
Weapon System Proc U/C	4.7	4.8								9.6

Description:
This program upgrades M1A2 tanks to the System Enhancement Package (SEP) configuration. It will upgrade the M1A2's computer systems and night vision capabilities. The SEP tank has improved microprocessors; color flat panel displays, more memory capacity, better Soldier-Machine Interface (SMI), and a new open operating system designed to run the Common Operating Environment (COE) software. Both the Gunner's Primary Sight (GPS) and the Commander's Independent Thermal Viewer (CITV) on the SEP tank include the improved thermal imaging capabilities of the new Block I 2nd Generation Forward-Looking Infra-Red (FLIR) technology.

Justification:
No Funding in FY09.

FY2007 funding total includes \$1,025.000 million received in GWOT supplemental.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: SYSTEM ENHANCEMENT PGM: SEP M1A2 (GA0730)	Weapon System Type:	Date: February 2008
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WTCV Cost Elements	ID	FY 07			FY 08			FY 09		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
SEP	A	528455	240	2202						
FLIR	A	92268	240	384						
GFE	A	210152								
M1A2 Depot-Maintenance Pre-MOD	A	106979	240	446						
STS, TPF, ST&TS, Gov't Spt		215783								
Total:		1153637								

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: SYSTEM ENHANCEMENT PGM: SEP M1A2 (GA0730)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
SEP FY 2007	GDLS Sterling Hgts, MI	SS/FP	TACOM - Warren	Nov 06	Nov 08	240	2202			
FLIR FY 2007	Various	SS/FP	CECOM	Nov 06	Aug 08	240	384			

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles
 P-1 Item Nomenclature: ABRAMS UPGRADE PROGRAM (GA0750)

Program Elements for Code B Items: Code: A Other Related Program Elements: 0203735A.D330

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty		98	20	29	30	39	30			246
Gross Cost	5379.2	596.4	225.0	351.2	351.1	351.4	332.4	13.3		7599.9
Less PY Adv Proc	2064.5									2064.5
Plus CY Adv Proc	2064.5									2064.5
Net Proc P1	5379.2	596.4	225.0	351.2	351.1	351.4	332.4	13.3		7599.9
Initial Spares	3731.4								1856836.5	1860567.9
Total Proc Cost	9110.5	596.4	225.0	351.2	351.1	351.4	332.4	13.3	1856836.5	1868167.9
Flyaway U/C										
Weapon System Proc U/C		6.1	11.3	12.1	11.7	9.0	11.1			61.2

Description:
 This program upgrades M1/M1A1 tanks to the M1A2 System Enhancement Package (SEP) configuration. Therefore, for each M1A2 SEP produced, there will be a corresponding decrease in the Army's M1/M1A1 inventory. The Abrams Upgrade Program will upgrade the tanks' survivability, automotive power pack, computer systems, and night vision capabilities. The M1A2 SEP has improved microprocessors, color flat panel displays, improved memory capacity, better Soldier-Machine Interface (SMI), and a new open operating system designed to run the Common Operating Environment (COE) software. Both the Gunner's Primary Sight (GPS) and the Commander's Independent Thermal Viewer (CITV) on the M1A2 SEP tank include the improved thermal imaging capabilities of the new Block I 2nd Generation Forward Looking Infra-Red (FLIR) technology. The M1A2 SEP has improved frontal and side armor for enhanced crew survivability. The M1A2 SEP is also equipped with the total integrated revitalization (TIGER) engine and upgraded transmission for improved automotive reliability and durability.

Justification:
 FY2009 procures 29 M1A2 SEP Upgrade vehicles in support of modularization and upgrade of the Abrams fleet to meet the Abrams SEP and Bradley modularity fleet teaming mixtures supporting the Army Campaign Plan for Heavy Brigade Combat Teams. The SEP Program enhances the combat effectiveness of the Abrams Tank Fleet while maintaining the key elements of the tank industrial base. The M1A2SEP tank is produced through a partnership between the Prime Contractor (General Dynamics Land Systems (GDLS)) at Joint Systems Manufacturing Center (JSMC) and Anniston Army Depot (ANAD) at Anniston, AL, with an economically minimum sustaining rate of 5 per month/60 annually. All M1A2SEP vehicles procured will include OIF identified requirements for Counter Improvised Explosive Device (IED) Electronic Warfare and Blue Force Tracking (BFT).

FY2007 funding total includes \$596.351 million received in GWOT supplemental.
 FY2008 funding total includes \$225.000 million received in the Consolidated Appropriations Act, 2008 (P.L. 110-161).
 FY2008 funding totals do not include \$1,217.100 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature: ABRAMS UPGRADE PROGRAM (GA0750)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000
Basic Vehicle		A	274400	98	2800	77587	20	3879	115660	29	3988
FLIR		A	33969	98	347	7961	20	398	11792	29	407
GFE		A	40102			3659			5421		
Armor		A	55643	98	568	12863	20	643	19053	29	657
Depot Maint Pre-Mod		A	66790	98	682	14171	20	709	20989	29	724
STS, TPF, ST&TS, Gov't Spt		A	125447			108759			178264		
Total:			596351			225000			351179		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: ABRAMS UPGRADE PROGRAM (GA0750)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Basic Vehicle										
FY 2007	Joint Service Mfg Corp Lima, OH	SS/FFP	TACOM-Warren	Jul 07	Jan 10	98	2800	Yes		
FY 2008	Joint Service Mfg Corp Lima, OH	MYP/FFP	TACOM-Warren	Feb 08	Jan 11	20	3879	yes		
FY 2009	Joint Service Mfg Corp Lima, OH	MYP/FFP	TACOM-Warren	Nov 08	Jan 12	29	3988	yes		
FLIR										
FY 2007	Raytheon McKinney, TX	SS/CPFF	CECOM - Picatinny	Jul 07	Jun 09	98	347	Yes		
FY 2008	Raytheon McKinney, TX	SS/CPFF	CECOM - Picatinny	Feb 08	Jun 10	20	398	yes		
FY 2009	Raytheon McKinney, TX	SS/CPFF	CECOM - Picatinny	Nov 08	Jun 11	29	407	yes		
Armor										
FY 2007	Batelle Energy Alliance Idaho Falls, ID	FFP/CPFF	Department of Energy	Jul 07	Jun 09	98	568	Yes		
FY 2008	Batelle Energy Alliance Idaho Falls, ID	FFP/CPFF	Department of Energy	Feb 08	Jun 10	20	643	yes		
FY 2009	Batelle Energy Alliance Idaho Falls, ID	FFP/CPFF	Department of Energy	Nov 08	Jun 11	29	657	yes		

REMARKS:

FY 07 / 08 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE ABRAMS UPGRADE PROGRAM (GA0750)	Date: February 2008
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COST ELEMENTS						Fiscal Year 07														Fiscal Year 08														Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 07														Calendar Year 08														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

Basic Vehicle																																		
1	FY 07	A	98	0	98																													98
1	FY 08	A	20	0	20																													20
1	FY 09	A	29	0	29																													29
1	FY 10	A	30	0	30																													30
1	FY 11	A	39	0	39																													39
1	FY 12	A	30	0	30																													30
Total			246		246																													246
						O C T	N O V	D E C	J A N	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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	Prior 1 Oct				After 1 Oct
								Initial				Reorder
1	Joint Service Mfg Corp, Lima, OH	60	120	300		0	10	30	40			
						0	5	35	40			
						Initial						
						Reorder						
						Initial						
						Reorder						
						Initial						
						Reorder						
						Initial						
						Reorder						

FY 11 / 12 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE ABRAMS UPGRADE PROGRAM (GA0750)	Date: February 2008
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Basic Vehicle																													
1	FY 07	A	98	72	26	8	9	9																				0	
1	FY 08	A	20	0	20				1	1	1	1	2	2	2	2	2	2	2									0	
1	FY 09	A	29	0	29															2	2	2	2	2	2	2	3	3	9
1	FY 10	A	30	0	30																							30	
1	FY 11	A	39	0	39		A																					39	
1	FY 12	A	30	0	30													A										30	
Total			246	72	174	8	9	9	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	108

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
				1								
1	Joint Service Mfg Corp, Lima, OH	60	120	300		1	Initial	0	10	30	40	
							Reorder	0	5	35	40	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
ITEMS LESS THAN \$5.0M (TCV-WTCV) (GL3100)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	33.3	0.4								33.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	33.3	0.4								33.7
Initial Spares										
Total Proc Cost	33.3	0.4								33.7
Flyaway U/C										
Weapon System Proc U/C										

Description:

Provides for procurement/assembly of full tracked vehicle organizational maintenance tool/shop sets. This equipment has multi-applications and is essential for effective maintenance on all tracked vehicles.

Justification:

FY2009 has no funding.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	374.5	11.6	7.7	7.1	6.8	3.2	1.1	1.2		413.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	374.5	11.6	7.7	7.1	6.8	3.2	1.1	1.2		413.3
Initial Spares										
Total Proc Cost	374.5	11.6	7.7	7.1	6.8	3.2	1.1	1.2		413.3
Flyaway U/C										
Weapon System Proc U/C										

Description:

This program provides for the Provision of Industrial Facilities (PIF). Funds are used to establish, modernize, expand or replace facilities owned by the Army. It provides Production Support Equipment Replacement and Modernization to Government-owned equipment and real property used in the production of Weapons and Tracked Combat Vehicles. The program also provides funding for Layaway of Industrial Facilities (LIF) and for the redistribution of equipment no longer required for production of Army systems. This effort supports the Reset, Abrams Integrated Management (AIM), Systems Enhancement Program (SEP) Programs and Spin-Out Framework. Funding is required for the preservation, Packing, Crating, Handling, and Transportation (PCH&T) of equipment excess to production, where such actions do not constitute substantial or complete shutdown or excessing of U.S. Army Tank-Automotive and Armaments Command (TACOM) production equipment. This program also funds projects to prevent unnecessary deterioration, perform maintenance, cover storage expenses of idle items of Government-owned equipment, and unplanned repairs to active equipment as situations arise.

Justification:

FY09 procures repair or replacement of Government-owned Industrial Plant Equipment (IPE) and Government-owned Real Property at the Joint System Manufacturing Center at Lima (JSMCL), formerly the Lima Army Tank Plant (LATP). In addition, this program procures repair or replacement of Government-owned IPE at contractor-owned manufacturing facilities in Muskegon, MI, Scranton, PA, Indianapolis, IN, and other locations. This request also supports emergency repairs to prevent production interruptions or loss of resources, as well as addressing threats to security, worker safety, and environmental issues. At JSMCL, projects include repair and rehab of machining centers, rehab of underground utilities and sewers, repair and upgrade of building electrical controls and resurfacing of deteriorating asphalt and concrete surfaces. At the other locations, most projects address planned rehab or emergency repair of Government-owned machining centers and other Government IPE. These projects help prevent increased costs due to obsolete or uneconomical equipment, and also address environmental and safety deficiencies. Funding for the LIF affords reduced costs by excessing equipment no longer needed. OMNIBUS effort that provides funding for the redistribution of equipment no longer required for the production of Army systems as a result of rightsizing efforts. Projects also cover equipment reduction as a result of changes in program requirements. Funding is required for the preservation, PCH&T of equipment excess to production, where such actions do not constitute substantial or complete shutdown or excessing of US Army TACOM production equipment. As equipment is removed, nominal environmental clean-up issues are also covered. Such actions require a formal and separate layaway or plant clearance project. This project is also to prevent unnecessary deterioration, perform maintenance, and cover storage expenses of idle items of Government-owned equipment. In addition, this project covers unplanned repairs to Government-owned equipment, as situations arise. The execution of this project will not have an impact on the quality of the environment.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050)	Weapon System Type:	Date: February 2008
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WTCV Cost Elements	ID	FY 07			FY 08			FY 09		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
PIF		11299			7261			6682		
LIF		339			447			454		
Total:		11638			7708			7136		

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
PIF1 OMNIBUS(TCV-WTCV) (GA2001)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	334.1	11.3	7.3	6.7	6.3	2.7	0.5	0.6		369.4
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	334.1	11.3	7.3	6.7	6.3	2.7	0.5	0.6		369.4
Initial Spares										
Total Proc Cost	334.1	11.3	7.3	6.7	6.3	2.7	0.5	0.6		369.4
Flyaway U/C										
Weapon System Proc U/C										

Description:

This program provides for the Provision of Industrial Facilities (PIF). Funds are used to establish, modernize, expand or replace facilities owned by the Army. It provides Production Support Equipment Replacement and Modernization to Government-owned equipment and real property used in the production of Weapons and Tracked Combat Vehicles. This effort supports the Reset, Abrams Integrated Management (AIM), Systems Enhancement Program (SEP) Programs and Spin-Out Framework.

Justification:

FY09 procures repair or replacement of Government-owned Industrial Plant Equipment (IPE) and Government-owned Real Property at the Joint System Manufacturing Center at Lima (JSMCL), formerly the Lima Army Tank Plant (LATP). In addition, this program procures repair or replacement of Government-owned IPE at contractor-owned manufacturing facilities in Muskegon, MI, Scranton, PA, Indianapolis, IN, and other locations. This request also supports emergency repairs to prevent production interruptions or loss of resources, as well as addressing threats to security, worker safety, and environmental issues. At JSMCL, projects include repair and rehab of machining centers, rehab of underground utilities and sewers, repair and upgrade of building electrical controls, and resurfacing of deteriorating asphalt and concrete surfaces. At the other locations, most projects address planned rehab or emergency repair of Government-owned machining centers and other Government IPE. These projects help prevent increased costs due to obsolete or uneconomical equipment, and also address environmental and safety deficiencies.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature
LAYAWAY OF INDUSTRIAL FACILITIES (GA2100)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	40.3	0.3	0.4	0.5	0.5	0.5	0.6	0.6		43.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	40.3	0.3	0.4	0.5	0.5	0.5	0.6	0.6		43.8
Initial Spares										
Total Proc Cost	40.3	0.3	0.4	0.5	0.5	0.5	0.6	0.6		43.8
Flyaway U/C										
Weapon System Proc U/C										

Description:

The program provides funding for Layaway of Industrial Facilities (LIF) and for the redistribution of equipment no longer required for production of Army systems. This effort supports programs under the auspices of the Tank-Automotive and Armaments Command (TACOM) Life Cycle Management Community (LCMC). Funding is required for the preservation, Packing, Crating, Handling, and Transportation (PCH&T) of equipment excess to production, where such actions do not constitute substantial or complete shutdown or excessing of U.S. Army Tank-Automotive and Armaments Command (TACOM) production equipment. This program also funds projects to prevent unnecessary deterioration, perform maintenance, cover storage expenses of idle items of Government-owned equipment, and unplanned repairs to active equipment as situations arise.

Justification:

FY 2009 funds provide for the OMNIBUS effort for the redistribution of equipment no longer required for the production of Army systems as a result of rightsizing efforts. Funding for the LIF affords reduced costs by excessing equipment no longer needed. Projects also cover equipment reduction as a result of changes in program requirements. Funding is required for the preservation, PCH&T of equipment excess to production, where such actions do not constitute substantial or complete shutdown or excessing of US Army TACOM production equipment. As equipment is removed, nominal environmental clean-up issues are also covered. Such actions require a formal and separate layaway or plant clearance project. This project is also to prevent unnecessary deterioration, perform maintenance, and cover storage expenses of idle items of Government-owned equipment. In addition, this project covers unplanned repairs to Government-owned equipment, as situations arise. The execution of this project will not have an impact on the quality of the environment.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	626	27	111	90	70					924
Gross Cost	459.6	37.8	101.0	118.4	72.9	5.7				795.5
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	459.6	37.8	101.0	118.4	72.9	5.7				795.5
Initial Spares										
Total Proc Cost	459.6	37.8	101.0	118.4	72.9	5.7				795.5
Flyaway U/C										
Weapon System Proc U/C	0.7	1.4	0.9	1.3	1.0					5.4

Description:

The M119A2 105MM Towed Howitzer provides direct artillery fire support for the light forces. Army transition to a modular force has increased the need for this system. Production was restarted in FY2005. The National Guard will replace their Vietnam-era M102, 105MM howitzers with this improved weapon.

Justification:

FY2009 procures 90 M119A2 105MM Towed Howitzers.

FY2007 funding total includes \$17.696 million received in GWOT supplemental.

FY2008 funding totals do not include \$17.600 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)			Weapon System Type:	Date: February 2008					
WTCV Cost Elements		ID	FY 07			FY 08			FY 09		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
M119A2 105mm Howitzer Production		A	21060	27	780	82695	111	745	89730	90	997
Basic Issue Items & Initial Spares			2822			3468			6682		
Test / Acceptance			4899			4926			6420		
System Eng / Program Mgt / Fielding			8999			9926			15599		
Total:			37780			101015			118431		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
M119A2 105mm Howitzer Production										
FY 2007	Rock Island Arsenal Rock Island, IL	PWD		Oct 06	Jan 09	27	780			
FY 2008	Rock Island Arsenal Rock Island, IL	PWD		Dec 07	Apr 09	111	745			
FY 2009	Rock Island Arsenal Rock Island, IL	PWD		Dec 08	Mar 10	90	997			

REMARKS: Funds are provided to Rock Island Arsenal via Procurement Work Directive (PWD) for M119A2 production.

NOTES:

FY09 Weapon System Procurement Unit Cost is high because of Long Lead requirements for the following year (FY10).

FY 09 / 10 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)	Date: February 2008
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	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	

M119A2 105mm Howitzer Production																																
1	FY 06	A	162	124	38	10	10	10	8																			0				
1	FY 07	A	27	0	27				2	10	10	5																0				
1	FY 08	A	111	0	111							5	10	10	10	10	10	10	10	10	10	10	10	10	6			0				
1	FY 09	A	90	0	90			A																4	10	10	10	10	10	10	10	26
Total						390	124	266	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	26			
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Rock Island Arsenal, Rock Island, IL	12	120	120		1	Initial	0	3	16	19	Funds are provided to Rock Island Arsenal via Procurement Work Directive (PWD) for M119A2 production.
							Reorder	0	3	15	18	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 11 / 12 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)	Date: February 2008
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COST ELEMENTS					Fiscal Year 11													Fiscal Year 12													Later	
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11													Calendar Year 12													
						O C T	N O V	D E C	J A N	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			

M119A2 105mm Howitzer Production																																	
1	FY 06	A	162	162																													0
1	FY 07	A	27	27																													0
1	FY 08	A	111	22																													0
1	FY 09	A	90	64	26	10	10	6																									0
Total																																	
					10	10	6																										
					O C T	N O V	D E C	J A N	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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Rock Island Arsenal, Rock Island, IL	12	120	120		1	Initial	0	3	16	19	Funds are provided to Rock Island Arsenal via Procurement Work Directive (PWD) for M119A2 production.
							Reorder	0	3	15	18	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles
 P-1 Item Nomenclature: M240 Medium Machine Gun (7.62mm) (G13000)

Program Elements for Code B Items: Code: A Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	76483	12903	3000	5900	2400	1700				102386
Gross Cost	451.5	103.4	44.8	61.3	38.4	29.0				728.5
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	451.5	103.4	44.8	61.3	38.4	29.0				728.5
Initial Spares										
Total Proc Cost	451.5	103.4	44.8	61.3	38.4	29.0				728.5
Flyaway U/C										
Weapon System Proc U/C	0.0									0.0

Description:
 The M240 class machine guns are available in different configurations for various applications. The M240B Machine Gun is a ground version of the original M240 Machine Gun, 7.62MM Medium Machine Gun class weapon, designed as a coaxial/pintle-mounted weapon for tanks and light armored vehicles. The M240B also includes: a flash suppressor, front sight, and carrying handle for the barrel, buttstock, pistol grip, bipod, heat shield and rear sight assembly. The M240B Machine Gun may also be tripod-mounted and used in conjunction with a traversing and elevating mechanism and mount pintle. The M240H is a variant of this same family of Machine Guns and is employed as the self defensive armament subsystem for the UH-60 BLACK HAWK and CH-47 Chinook Helicopters. The M240H uses the same receiver and barrel as the M240B but has a spade grip trigger assembly. It also has a unique mounting interface and pintle to properly interface with the helicopter platform. Also, included with the system will be an egress kit to allow the weapon to be converted for a ground defensive role in the event the helicopter is downed. The lighter M240E6 will replace the M240B in Special Forces/Rangers, Light Infantry and Airborne units. The M240E6 will significantly reduce the weight of the current M240B while maintaining the same level of reliability. The weight reduction will be accomplished through the use of lightweight materials and innovative manufacturing techniques.

Justification:
 FY 2009 procures 1,900 M240E6 Light Weight Machine guns and 4,000 M240B Machine Guns. The M240E6 will significantly reduce the weight of the current M240B while maintaining the same level of reliability. The M240E6 will replace the M240 in Special Forces/Rangers, Light Infantry and Airborne units.

FY2007 funding total includes \$93.877 million received in GWOT supplemental.
 FY2008 funding totals do not include \$61.541 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: M240 Medium Machine Gun (7.62mm) (G13000)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. M240 Series Weapons (Incls Blank Firing Device)											
Hardware (Infantry Version - M240B)		A	90403	12085	7				30892	4000	8
Hardware (Aviation Version - M240H)		A	8558	818	10						
Hardware (Light Weight Version - M240E6)		B				40959	3000	14	26953	1900	14
2. Engineering Support			2766			2001			1965		
3. Integrated Logistics Support			300			300			250		
4. Engineering Change Proposals			300			400			150		
5. Total Package Fielding			350			300			350		
6. Engineering Studies			351			500			234		
7. New Equipment Training			200			200			175		
8. First Destination Transportation			155			120			255		
9. RFI Barrel Bags			31						110		
Total:			103414			44780			61334		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

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
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles										
		Weapon System Type:	P-1 Line Item Nomenclature: M240 Medium Machine Gun (7.62mm) (G13000)							
1. M240 Series Weapons										
Hardware (Infantry Version - M240B)										
FY 2007	FN Mfg Inc. Columbia, SC	C/FFP	TACOM RI, Rock Island, IL	Jun 07	Jan 08	12085	7			
FY 2009	TBS TBS	C/FFP	TACOM RI, Rock Island, IL	Nov 08	Jan 10	4000	8	Yes		
Hardware (Aviation Version - M240H)										
FY 2007	FN Mfg Inc. Columbia, SC	Option	TACOM RI, Rock Island, IL	Jan 07	Sep 07	818	10			
Hardware (Light Weight Version - M240E6)										
FY 2008	FN Mfg Inc. Columbia, SC	SS/FFP	JM&L, LCMC, Picatinny, NJ	May 08	Aug 09	3000	14	Yes		
FY 2009	TBS TBS	C/FFP	JM&L, LCMC, Picatinny, NJ	Feb 09	Aug 10	1900	14	Yes		

REMARKS:

FY 07 / 08 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE M240 Medium Machine Gun (7.62mm) (G13000)	Date: February 2008
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COST ELEMENTS						Fiscal Year 07												Fiscal Year 08												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 07												Calendar Year 08												
						O C T	N O V	D E C	J A N	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	

1. M240 Series Weapons																															
Hardware (Infantry Version - M240B)																															
1	FY 06 P	A	5845	0	5845	67	100	349	370	450	590	850	834	353	210	301	117	325	382	314	233										0
1	FY 07	A	12085	0	12085									A							400	460	460	680	861	524	196	542	655	7307	
3	FY 09	A	4000	0	4000																										4000
1	FY 07	AF	7	0	7																6										1
1	FY 07	FMS	196	0	196																30			14	1						151
1	FY 06 P	MC	3302	671	2631	134	125							337	250	350	350	350	329	406										0	
1	FY 07	MC	838	0	838																218	310	310								0
1	FY 06 P	NA	3085	0	3085																										3085
1	FY 07	NA	1381	0	1381																105	105	195				216	333	220	207	
						O C T	N O V	D E C	J A N	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 F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX	1			2	Prior 1 Oct				After 1 Oct
									Initial				Reorder
1	FN Mfg Inc., Columbia, SC	1200	7000	17532	6	1	6	4	18	22			
							3	3	7	10			
2	Anniston Army Depot, Anniston, AL	1200	3000	4200	6	2	6	6	16	22			
3	TBS, TBS	1200	3000	4200	6		3	6	16	22			
4	FN Mfg Inc., Columbia, SC	1200	3000	4200	6	3	6	2	14	16			
							3	5	18	23			
						4	6	7	16	23			
							3	4	13	17			
							Initial						
							Reorder						

FY 09 / 10 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE M240 Medium Machine Gun (7.62mm) (G13000)	Date: February 2008
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	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	

1. M240 Series Weapons																																	
Hardware (Infantry Version - M240B)																																	
1	FY 06 P	A	5845	5845																													0
1	FY 07	A	12085	4778	7307	675	875	875	875	875	875	875	875	875	507																	0	
3	FY 09	A	4000	0	4000		A																										1050
1	FY 07	AF	7	6	1									1																		0	
1	FY 07	FMS	196	45	151									151																		0	
1	FY 06 P	MC	3302	3302																												0	
1	FY 07	MC	838	838																												0	
1	FY 06 P	NA	3085	0	3085																											3085	
1	FY 07	NA	1381	1174	207	200								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 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 F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS			
		MIN	1-8-5	MAX	1			2	3				4	Prior 1 Oct	After 1 Oct
														Initial	Reorder
1	FN Mfg Inc., Columbia, SC	1200	7000	17532	6	1	Initial	6	4	18	22				
							Reorder	3	3	7	10				
2	Anniston Army Depot, Anniston, AL	1200	3000	4200	6	2	Initial	6	6	16	22				
3	TBS, TBS	1200	3000	4200	6	2	Reorder	3	6	16	22				
4	FN Mfg Inc., Columbia, SC	1200	3000	4200	6	3	Initial	6	2	14	16				
							Reorder	3	5	18	23				
							4	Initial	6	7	16	23			
							4	Reorder	3	4	13	17			
							Initial								
							Reorder								

FY 09 / 10 BUDGET PRODUCTION SCHEDULE															P-1 ITEM NOMENCLATURE M240 Medium Machine Gun (7.62mm) (G13000)										Date: February 2008				
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COST ELEMENTS						Fiscal Year 09															Fiscal Year 10															Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09															Calendar Year 10															
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

Hardware Conversion (M240-M240B) *																																	
2	FY 06 P	A	1000	1000																													0

Hardware (Aviation Version - M240H)																																	
1	FY 07	A	818	818																													0
1	FY 07	CG	15	0	15									15																			0

Hardware (Light Weight Version - M240E6)																																
4	FY 08	A	3000	0	3000											100	150	150	200	200	250	250	300	350	350	350	350				0	
3	FY 09	A	1900	0	1900				A																					100	150	1650
Total			37472	17806	19666	875	875	875	875	875	875	875	681		100	150	150	200	200	475	525	650	700	700	700	700	700	450	500	5785		

O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
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M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
									Initial			
1	FN Mfg Inc., Columbia, SC	1200	7000	17532	6	1	6	4	18	22		
							3	3	7	10		
2	Anniston Army Depot, Anniston, AL	1200	3000	4200	6	2	6	6	16	22		
3	TBS, TBS	1200	3000	4200	6		3	6	16	22		
4	FN Mfg Inc., Columbia, SC	1200	3000	4200	6	3	6	2	14	16		
							3	5	18	23		
						4	6	7	16	23		
							3	4	13	17		
							Initial					
							Reorder					

FY 11 / 12 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE M240 Medium Machine Gun (7.62mm) (G13000)	Date: February 2008
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	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	

1. M240 Series Weapons																																	
Hardware (Infantry Version - M240B)																																	
1	FY 06 P	A	5845	5845																													0
1	FY 07	A	12085	12085																													0
3	FY 09	A	4000	2950	1050	350	350	350																									0
1	FY 07	AF	7	7																													0
1	FY 07	FMS	196	196																													0
1	FY 06 P	MC	3302	3302																													0
1	FY 07	MC	838	838																													0
1	FY 06 P	NA	3085	0	3085																												3085
1	FY 07	NA	1381	1381																													0
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
									Initial			
1	FN Mfg Inc., Columbia, SC	1200	7000	17532	6	1	6	4	18	22		
							3	3	7	10		
2	Anniston Army Depot, Anniston, AL	1200	3000	4200	6	2	6	6	16	22		
3	TBS, TBS	1200	3000	4200	6		3	6	16	22		
4	FN Mfg Inc., Columbia, SC	1200	3000	4200	6	3	6	2	14	16		
							3	5	18	23		
						4	6	7	16	23		
							3	4	13	17		
							Initial					
							Reorder					

FY 11 / 12 BUDGET PRODUCTION SCHEDULE															P-1 ITEM NOMENCLATURE M240 Medium Machine Gun (7.62mm) (G13000)										Date: February 2008				
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COST ELEMENTS					Fiscal Year 11															Fiscal Year 12															Later	
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11															Calendar Year 12															
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
Hardware Conversion (M240-M240B) *																																				
2	FY 06 P	A	1000	1000																															0	
Hardware (Aviation Version - M240H)																																				
1	FY 07	A	818	818																														0		
1	FY 07	CG	15	15																														0		
Hardware (Light Weight Version - M240E6)																																				
4	FY 08	A	3000	3000																														0		
3	FY 09	A	1900	250	1650	150	200	200	250	250	300	300																					0			
Total					37472	31687	5785	500	550	550	250	250	300	300																			3085			
O C T N O V D E C J A N 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 F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
		1	2	3	4	Initial	Reorder	Initial	Reorder			
1	FN Mfg Inc., Columbia, SC	1200	7000	17532	6	1	Initial	6	4	18	22	
							Reorder	3	3	7	10	
2	Anniston Army Depot, Anniston, AL	1200	3000	4200	6	2	Initial	6	6	16	22	
							Reorder	3	6	16	22	
4	FN Mfg Inc., Columbia, SC	1200	3000	4200	6	3	Initial	6	2	14	16	
							Reorder	3	5	18	23	
							Initial	6	7	16	23	
							Reorder	3	4	13	17	
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
MACHINE GUN, CAL .50 M2 ROLL (GB2000)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	2423	2691	1924	6167	5968	5782	5132	1229		31316
Gross Cost	14.9	41.4	32.1	99.9	98.2	95.2	84.5	20.2		486.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	14.9	41.4	32.1	99.9	98.2	95.2	84.5	20.2		486.3
Initial Spares										
Total Proc Cost	14.9	41.4	32.1	99.9	98.2	95.2	84.5	20.2		486.3
Flyaway U/C										
Weapon System Proc U/C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.1

Description:

The M2 .50 Caliber Machine Gun is an automatic, belt-fed, recoil-operated, and air-cooled crew-served weapon. It mounts on the M3 tripod and on most vehicles, and serves as an anti-personnel and anti-aircraft weapon. It is highly effective against light armored vehicles, low- and slow-flying aircraft, and small boats. The M2 provides automatic weapon suppressive fire for offensive and defensive purposes. It is capable of single-shot and automatic fire. The M2 Machine Gun is an Army production New Start in FY08.

Justification:

FY 2009 procures 6,167 M2 Machine Guns to alleviate a critical shortage of serviceable M2 Machine Guns for our Soldiers who are participating in Operation Iraqi Freedom and Operation Enduring Freedom. Inventories of the weapon in the depots have been severely depleted. This request is based on deficiencies identified from on-going combat operations in Afghanistan and Iraq.

FY2007 funding total includes \$41.369 million received in GWOT supplemental.

FY2008 funding totals do not include \$27.327 million previously requested for current FY2008 GWOT requirements.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
MACHINE GUN, CAL .50 M-2 FLEX (G10900)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	2423	2691	1924	6167	5968	5782	5132	1229		31316
Gross Cost	14.9	41.4	32.1	99.9	98.2	95.2	84.5	20.2		486.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	14.9	41.4	32.1	99.9	98.2	95.2	84.5	20.2		486.3
Initial Spares										
Total Proc Cost	14.9	41.4	32.1	99.9	98.2	95.2	84.5	20.2		486.3
Flyaway U/C										
Weapon System Proc U/C	0.0									0.0

Description:

The M2 machine gun is a disintegrating metallic link belt-fed, air-cooled machine weapon capable of semi-automatic and automatic fire. The feed is switchable from left to right hand feed. Currently, barrels are screwed into the barrel extension and once the barrel is installed in the weapon, the headspace must be adjusted prior to firing. Quick change barrel (QCB) designs are being tested and will be incorporated into productions buys starting in FY10. This weapon can be used effectively against personnel and light armored vehicles. The M2 machine gun when employed as a ground mounted weapon it uses the M3 Tripod, MK-56 (MOD 0) Navy Mount, MK93 MOD 2 mount and when vehicle installed, uses the M66 ring mount.

Justification:

FY 2009 procures 6,167 M2 Machine Guns to alleviate a critical shortage of serviceable M2 Machine Guns for our Soldiers who are participating in Operation Iraqi Freedom and Operation Enduring Freedom. Inventories of the weapon in the depots have been severely depleted. This request is based on deficiencies identified from on-going combat operations in Afghanistan and Iraq.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: MACHINE GUN, CAL .50 M-2 FLEX (G10900)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. Hardware											
M2 Systems		A	34293	2691	13	27898	1924	15	89422	6167	15
MK93 Mounts			3715	2688	1	2797	1925	1	8961	6167	1
M2 Conversions			2402								
2. Production Engineering			500			454			564		
3. Integrated Logistics Support			100			150			150		
4. Production Verification Test / FAT						200					
5. Fielding			59			50					
6. First Destination Transportation			300			200			400		
7. Engineering Studies						350			384		
TOTAL			41369			32099			99881		
Total:			41369			32099			99881		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: MACHINE GUN, CAL .50 M-2 FLEX (G10900)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
M2 Systems										
FY 2007	Gen Dyn-Armament & Tech Prod Burlington, VT	SS/FFP	JM&L LCMC- Picatinny,NJ	Jul 07	Apr 08	2587	13			
FY 2007	TBS TBS	C/Other*	JM&L LCMC- Picatinny,NJ	May 08	May 09	104	15			
FY 2008	TBS TBS	C/Other*	JM&L LCMC- Picatinny,NJ	May 08	May 09	1519	15	Yes		
FY 2008	Small Business, TBS TBS	C/Other*	JM&L LCMC- Picatinny,NJ	May 08	Oct 09	405	15	Yes		
FY 2009	TBS TBS	Option	JM&L LCMC- Picatinny,NJ	Nov 08	Oct 09	4602	15	Yes		
FY 2009	Small Business, TBS TBS	Option	JM&L LCMC- Picatinny,NJ	Nov 08	Jul 10	1565	15	Yes		

REMARKS: The Army's last production contract for the M2 Machine Gun expired in the late 1980's.
* FY08 funds will procure M2's using a new competitive Indefinite Delivery Indefinite Quantity (IDIQ) procurement action with two production winners (including one small business set aside) to establish a second producer.

FY 09 / 10 BUDGET PRODUCTION SCHEDULE														P-1 ITEM NOMENCLATURE MACHINE GUN, CAL .50 M-2 FLEX (G10900)										Date: February 2008	
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COST ELEMENTS						Fiscal Year 09														Fiscal Year 10														Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09														Calendar Year 10														
						O C T	N O V	D E C	J A N	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					

M2 Systems																																	
1	FY 07	A	2587	800	1787	130	166	316	125	150	200	354	346																				0
2	FY 07	A	104	0	104								104																				0
2	FY 08	A	1519	0	1519								38	248	240	261	394	338															0
3	FY 08	A	405	0	405													15	15	24	30	30	30	71	75	75	40					0	
2	FY 09	A	4602	0	4602		A											62	400	400	400	400	400	420	420	420	420	430	430			0	
3	FY 09	A	1565	0	1565		A																					60	100	125	1280		
1	FY 06 P	AF	23	23																													0
1	FY 07	AF	204	70	134	20	20	19	75																								0
2	FY 08	AF	24	0	24									10	10	4																	0
3	FY 08	AF	6	0	6													6															0
1	FY 07	AR	80	80																													0
1	FY 07	FMS	61	0	61								54	7																			0
2	FY 08	FMS	1135	0	1135																												1135
						O C T	N O V	D E C	J A N	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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	Initial	3			9	10	19			
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	2400	4800		1	Initial	3	9	10	19	
							Reorder	3	1	13	14	
2	TBS, TBS	300	2400	5160		2	Initial	3	7	13	20	
							Reorder	3	2	11	13	
3	Small Business, TBS, TBS	300	1800	3750		3	Initial	3	7	18	25	
							Reorder	3	2	20	22	
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 11 / 12 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE MACHINE GUN, CAL .50 M-2 FLEX (G10900)	Date: February 2008
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	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	

M2 Systems																													
1	FY 07	A	2587	2587																								0	
2	FY 07	A	104	104																								0	
2	FY 08	A	1519	1519																								0	
3	FY 08	A	405	405																								0	
2	FY 09	A	4602	4602																								0	
3	FY 09	A	1565	285	1280	125	125	130	150	150	150	150	150	150														0	
1	FY 06 P	AF	23	1800																								0	
1	FY 07	AF	204	2485																								0	
2	FY 08	AF	24	24																								0	
3	FY 08	AF	6	6																								0	
1	FY 07	AR	80	80																								0	
1	FY 07	FMS	61	61																								0	
2	FY 08	FMS	1135	0	1135	18	200	200	200	200	117																	0	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				Prior 1 Oct	After 1 Oct
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	2400	4800		1	Initial	3	9	10	19		
							Reorder	3	1	13	14		
2	TBS, TBS	300	2400	5160		2	Initial	3	7	13	20		
							Reorder	3	2	11	13		
						3	Initial	3	7	18	25		
							Reorder	3	2	20	22		
							Initial						
							Reorder						
							Initial						
							Reorder						

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
M249 SAW Machine Gun (5.56mm) (G12900)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	94994	6533	10690	5150	1550					118917
Gross Cost	277.2	28.8	44.3	22.1	7.2					379.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	277.2	28.8	44.3	22.1	7.2					379.6
Initial Spares										
Total Proc Cost	277.2	28.8	44.3	22.1	7.2					379.6
Flyaway U/C										
Weapon System Proc U/C	0.0									0.0

Description:

The M249 Squad Automatic Weapon (M249 SAW) is a lightweight (22 pounds with 200 rounds of ammunition) 5.56MM, one-man operated weapon capable of delivering a sustained volume of automatic, accurate, and lethal fire at ranges of up to 800 meters. The M249 SAW replaces two automatic M151A1 rifles in a rifle squad on a one-on-one basis in all infantry type units and in other units requiring high firepower. The M249 SAW also fills a secondary role as a light machine gun replacing most of the M60 Machine Guns. The Army M249 SAW configuration was changed in October 1989 to include a spare barrel, additional heat shield, and barrel bag. In support of Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF) additional items are being procured under the Rapid Fielding Initiative (RFI) which quickly provides new weapons and equipment to deploying units.

Justification:

FY 2009 procures 5,150 M249 Machine Guns to support the new modular force structure.

FY2007 funding total includes \$25.514 million received in GWOT supplemental.

FY2008 funding totals do not include \$1.784 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: M249 SAW Machine Gun (5.56mm) (G12900)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. M249 SAW Weapon		A	24264	6533	3.7	43194	10690	4.0	21339	5150	4.1
2. Engineering Support			1822			611			535		
3. Testing			300								
4. Integrated Logistics Support (ILS)			300			150			75		
5. Total Package Fielding (TPF)			300			150			75		
6. Engineering Studies											
7. First Destination Transportation (FDT)			182			170			110		
8. RFI - Barrel Bags			1647								
Total:			28815			44275			22134		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: M249 SAW Machine Gun (5.56mm) (G12900)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. M249 SAW Weapon										
FY 2007	FN Mfg Inc Columbia SC	SS/FFP	JM&L LCMC, Picatinny, NJ	Jul 07	Apr 08	3114	3.7			
FY 2007	TBS TBS	C/FFP	JM&L LCMC, Picatinny, NJ	Jan 08	Jul 08	3419	3.8			
FY 2008	TBS TBS	Option	JM&L LCMC, Picatinny, NJ	Mar 08	Feb 09	10690	4.0	Yes		
FY 2009	TBS TBS	C/FFP	JM&L LCMC, Picatinny, NJ	Mar 09	Feb 10	5150	4.1	Yes		

REMARKS:

FY 09 / 10 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE M249 SAW Machine Gun (5.56mm) (G12900)	Date: February 2008
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COST ELEMENTS						Fiscal Year 09													Fiscal Year 10													Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09													Calendar Year 10													
						O C T	N O V	D E C	J A N	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			

1. M249 SAW Weapon																														
1	FY 06 P	A	12414	12414																										0
1	FY 07	A	3114	2400	714	300	225	189																						0
2	FY 07	A	3419	1200	2219	450	525	561	683																					0
2	FY 08	A	10690	0	10690					891	891	891	891	891	891	891	891	891	890	890									0	
2	FY 09	A	5150	0	5150						A										890	890	890	890	890	700			0	
1	FY 06 P	AF	71	71																									0	
1	FY 06 P	FMS	507	507																									0	
1	FY 06 P	MC	1497	1497																									0	
1	FY 06 P	OTH	26	26																									0	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX	1			2	Prior 1 Oct				After 1 Oct
									Initial				Reorder
1	FN Mfg Inc, Columbia SC	1500	2600	10690	18	1	Initial	3	9	10	19		
							Reorder	3	4	10	14		
2	TBS, TBS	1500	2600	9000	18	2	Initial	3	5	12	17		
							Reorder	3	6	11	17		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
MK-19 Grenade Machine Gun (40mm) (G13400)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	23523	2832	1683	785	523	250				29596
Gross Cost	401.6	53.6	36.2	17.3	11.9	5.9				526.5
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	401.6	53.6	36.2	17.3	11.9	5.9				526.5
Initial Spares										
Total Proc Cost	401.6	53.6	36.2	17.3	11.9	5.9				526.5
Flyaway U/C										
Weapon System Proc U/C	0.0									0.0

Description:

The MK-19, Mod 3 is a self-powered, air-cooled, 40mm automatic Grenade Machine Gun capable of a cyclic rate of 325-375 rounds per minute. It will engage point targets up to 1,500 meters and provide suppressive fire up to 2,200 meters. The MK-19 is fielded with the MK93 mount. The weapon will be mounted on select Stryker vehicles, High Mobility Multi-Purpose Wheeled Vehicles (HMMWVs), the M113 Armored Personnel Carrier family of vehicles, and the M88A1 Recovery Vehicle. During static defensive operations, it will be ground employed utilizing the M3 Tripod Mount. Also provides other ancillary equipment such as the M3 Tripod and improved sighting systems.

Justification:

FY2009 procures 785 MK-19 Grenade Machine Guns to meet urgent requirements for Operation Iraqi Freedom and Operation Enduring Freedom and the Army's Modular Force transformation.

FY2007 funding total includes \$51.921 million received in GWOT supplemental.

FY2008 funding totals do not include \$30.614 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: MK-19 Grenade Machine Gun (40mm) (G13400)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. MK-19 Hardware		A	49010	2832	17	28656	1683	17	14423	785	18
2. GFM			2283			4225			2064		
3. Engineering Support			1983			2027			541		
4. Integrated Logistics Support (ILS)			100			254			150		
5. Fielding			200			300			150		
6. First Destination Transportation						143					
7. Arms Rack						597					
8. New Equipment Training			63								
Total:			53639			36202			17328		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: MK-19 Grenade Machine Gun (40mm) (G13400)							
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
1. MK-19 Hardware										
FY 2007	Gen Dyn Armament & Tech Prod Saco, Maine	Option	JM&L LCMC, Picatinny,NJ	Sep 07	Mar 08	559	17			
FY 2007	TBS TBS	C/FFP	JM&L LCMC, Picatinny,NJ	May 08	May 09	2273	17			
FY 2008	TBS TBS	C/FFP	JM&L LCMC, Picatinny,NJ	May 08	Apr 10	1683	17	Yes		
FY 2009	TBS TBS	Option	JM&L LCMC, Picatinny,NJ	Jan 09	Nov 10	785	18	Yes		

REMARKS:

FY 07 / 08 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE MK-19 Grenade Machine Gun (40mm) (G13400)	Date: February 2008
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COST ELEMENTS						Fiscal Year 07														Fiscal Year 08														Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 07														Calendar Year 08														
						O C T	N O V	D E C	J A N	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					
1. MK-19 Hardware																																		
1	FY 06 P	A	2340	291	2049	70	70	69	80	80	80	80	80	80	80	70	80	100	110	110	110	110	110	110	110	110	110	50	70		0			
1	FY 07	A	559	0	559													A							10	20	30	40	50	50	50	309		
2	FY 07	A	2273	0	2273																					A					2273			
2	FY 08	A	1683	0	1683																					A					1683			
2	FY 09	A	785	0	785																										785			
Total						7640	291	7349	70	70	69	80	80	80	80	80	80	70	80	100	110	110	110	110	110	120	130	140	150	100	120	50	5050	
						O C T	N O V	D E C	J A N	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 F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX	1			2	Prior 1 Oct				After 1 Oct
									Initial				Reorder
1	Gen Dyn Armament & Tech Prod, Saco, Maine	600	2400	3600	18	1	4	8	10	18			
							4	3	7	10			
2	TBS, TBS	600	2400	3600	18	2	4	8	13	21			
							4	3	23	26			

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
Mortar Systems (G02200)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	629	424	84	165	49	49				1400
Gross Cost	274.6	35.2	9.0	15.5	9.3	7.0				350.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	274.6	35.2	9.0	15.5	9.3	7.0				350.6
Initial Spares										
Total Proc Cost	274.6	35.2	9.0	15.5	9.3	7.0				350.6
Flyaway U/C										
Weapon System Proc U/C	0.4									0.4

Description:

Mortar Systems funding supports the production of M224, 60mm; M252A1, 81mm; M313, 120mm Training Insert; and M120/M121, 120mm Mortar Weapon Systems. Funding also includes the production of mortar weapon system modifications, to include the procurement of the Quick Stow System and light weight weapon initiatives. The Quick Stow will enable rapid emplacement and displacement of the M120, 120mm Towed Mortar System from the M1101 Trailer.

Justification:

FY09 procures 45 M224A1 60mm Light Weight Mortar Weapon Systems, 45 M252A1 81mm Mortar Weapon Systems, 39 M120 120mm Towed Mortar Weapon Systems, and 36 M313 120mm Training Inserts to Active Force Interim Brigade Combat Teams in support of the Grow the Army initiative.

FY2007 funding total includes \$35.212 million received in GWOT supplemental.

FY2008 funding totals do not include \$33.459 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: Mortar Systems (G02200)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
HARDWARE											
Mortar Weapons Systems Contract											
60mm Weapon Systems											
81mm Weapon Systems											
120mm Weapon Systems											
60mm Cannon Tube											
60mm Bipods / Baseplates											
60mm Basic Issue / Direct Support Tools											
81mm Cannon Tubes											
81mm Bipods / Baseplates											
81mm Basic Issue / Direct Support Tools											
120mm, M120 Cannon											
120mm, M121 Cannon											
120mm, Bipods											
120mm, Baseplates											
120mm Basic Issue/ Direct Support Tools											
120mm, M313 Insert											
M313 Basic Issue / Direct Support Tools											
M326 Quick Stow											
M67 Sight Units											
M1101 Trailers											
Subtotal Hardware			30056			4877			11215		
PRODUCTION SUPPORT											
Production Engineering											
Proof and Acceptance											
Government ILS											
Staging											
Operations and New Equipment Training											
Subtotal Production Support			4806			2968			3785		
NON-RECURRING COSTS											
First Article Test											

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: Mortar Systems (G02200)	Weapon System Type:	Date: February 2008
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WTCV Cost Elements	ID	FY 07			FY 08			FY 09		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Manuals		100			100					
Subtotal Non-recurring Costs		350			1118			500		
TOTAL		35212			8963			15500		
Total:		35212			8963			15500		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: Mortar Systems (G02200)								
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
Mortar Weapons Systems Contract										
FY 2008	General Dynamics, OTS St. Petersburg, Fla.	SS/Option	Picatinny Arsenal, NJ	Mar 08	Mar 09	35	36	Y		
60mm Weapon Systems										
FY 2007	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Jul 07	Jul 08	216	53			
81mm Weapon Systems										
FY 2007	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Jul 07	Jul 08	84	45			
120mm Weapon Systems										
FY 2007	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Jul 07	Jul 08	96	60			
60mm Cannon Tube										
FY 2008	Dynamic Flow Form Billerica, MA	SS/Option	Quantico, IA	Mar 08	Mar 09	15	20	Y		
FY 2009	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Mar 09	Mar 10	45	15	Y		
60mm Bipods / Baseplates										
FY 2008	To Be Selected TBS	SS/Option	Picatinny Arsenal, NJ	Mar 08	Mar 09	15	24	Y		
FY 2009	To Be Selected TBS	SS/Option	Picatinny Arsenal, NJ	Mar 09	Mar 10	45	19	Y		
60mm Basic Issue / Direct Support Tools										
FY 2007	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Jul 07	Jul 08	257	4	Y		
FY 2008	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Mar 08	Mar 09	15	5	Y		
FY 2009	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Mar 09	Mar 10	45	5	Y		
81mm Cannon Tubes										
FY 2008	Dynamic Flow Form Billerica, MA	SS/Option	Quantico, IA	Mar 08	Mar 09	9	35	Y		
FY 2009	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Mar 09	Mar 10	45	20	Y		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: Mortar Systems (G02200)								
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
81mm Bipods / Baseplates										
FY 2008	To Be Selected TBS	SS/Option	Picatinny Arsenal, NJ	Mar 08	Mar 09	9	25	Y		
FY 2009	To Be Selected TBS	SS/Option	Picatinny Arsenal, NJ	Mar 09	Mar 10	45	20	Y		
81mm Basic Issue / Direct Support Tools										
FY 2007	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Jul 07	Jul 08	222	10	Y		
FY 2008	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Mar 08	Mar 09	9	13	Y		
FY 2009	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Mar 09	Mar 10	45	15	Y		
120mm, M120 Cannon										
FY 2008	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Mar 08	Mar 09	13	75	Y		
FY 2009	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Mar 09	Mar 10	39	36	Y		
120mm, M121 Cannon										
120mm, Bipods										
FY 2009	To Be Selected TBS	C/FP	Picatinny Arsenal, NJ	Mar 09	Mar 10	39	8	Y		
120mm, Baseplates										
FY 2009	Watervliet Arsenal Watervliet, NY	SS/Option	Rock Island, IL	Mar 09	Mar 10	39	8	Y		
120mm Basic Issue/ Direct Support Tools										
FY 2007	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Jul 07	Jul 08	120	22	Y		
FY 2008	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Mar 08	Mar 09	31	11	Y		
FY 2009	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Mar 09	Mar 10	39	36	Y		
120mm, M313 Insert										
FY 2007	CSC Falls church, VA	SS/Option	Ft. Monmouth, NJ	Jul 07	Jul 08	28	34	Y		
FY 2008	To Be Selected TBS	C/FP	Picatinny Arsenal, NJ	Mar 08	Mar 09	12	10	Y		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

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
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: Mortar Systems (G02200)								
FY 2009	To Be Selected TBS	C/FP	Picatinny Arsenal, NJ	Mar 09	Mar 10	36	27	Y		
M313 Basic Issue / Direct Support Tools										
FY 2007	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Jul 07	Jul 08	35	9	Y		
FY 2008	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Mar 08	Mar 09	12	13	Y		
FY 2009	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Mar 09	Mar 10	36	14	Y		
M326 Quick Stow										
FY 2007	BAE Systems Minneapolis, MN	SS/Option	Picatinny Arsenal, NJ	Jul 07	Jul 08	24	16	Y		
FY 2008	BAE Systems Minneapolis, MN	SS/Option	Picatinny Arsenal, NJ	Mar 08	Mar 09	12	25	Y		
FY 2009	BAE Systems Minneapolis, MN	SS/Option	Picatinny Arsenal, NJ	Mar 09	Mar 10	39	30	Y		
M67 Sight Units										
FY 2007	Seiler Instruments Saint Louis, MO	SS/Option	Rock Island, IL	Jul 07	Jul 08	424	3	Y		
FY 2008	Seiler Instruments Saint Louis, MO	SS/Option	Rock Island, IL	Mar 08	Mar 09	28	7	Y		
FY 2009	Seiler Instruments Saint Louis, MO	SS/Option	Rock Island, IL	Mar 09	Mar 10	129	4	Y		
M1101 Trailers										
FY 2007	Silver Eagle Manufacturing Portland, OR	SS/Option	Picatinny Arsenal, NJ	Jul 07	Jul 08	24	10	Y		
FY 2008	Silver Eagle Manufacturing Portland, OR	SS/Option	Picatinny Arsenal, NJ	Mar 08	Mar 09	12	10	Y		
FY 2009	Silver Eagle Manufacturing Portland, OR	SS/Option	Picatinny Arsenal, NJ	Mar 09	Mar 10	39	10	Y		

REMARKS:

FY 09 / 10 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE Mortar Systems (G02200)	Date: February 2008
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COST ELEMENTS						Fiscal Year 09													Fiscal Year 10													Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09													Calendar Year 10													
						O C T	N O V	D E C	J A N	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			
81mm Cannon Tubes																																
2	FY 08	A	9	0	9																								0			
2	FY 09	A	45	0	45																								0			
120mm, M120 Cannon																																
2	FY 08	A	13	0	13																								0			
2	FY 09	A	39	0	39																								0			
120mm, M121 Cannon																																
120mm, M313 Insert																																
1	FY 07	A	28	28																									0			
1	FY 08	A	12	0	12																								0			
1	FY 09	A	36	0	36																								0			
Total																																
			1700	365	405	165	131	70	70		84																		-280			
						O C T	N O V	D E C	J A N	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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	Initial				After 1 Oct
1	General Dynamics, OTS, St. Petersburg, Fla.	5	110	165		1	Initial	6	6	12	18	FY06 and Prior Army deliveries from May 08 through Jan 09 are M313 Training Inserts which are a one time Supplemental buy for all Army HBCTs and Active IBCTs
							Reorder	3	6	12	18	
2	Watervliet Arsenal, Watervliet, NY	5	95	165		2	Initial	6	6	12	18	
							Reorder	3	6	12	18	
3	Dynamic Flow Form, Billerica, MA	5	150	200		3	Initial	6	6	12	18	
							Reorder	3	6	12	18	
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
M107, CAL. 50, SNIPER RIFLE (G01500)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	3396									3396
Gross Cost	55.2	3.2	0.4	0.2	0.2	0.2				59.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	55.2	3.2	0.4	0.2	0.2	0.2				59.6
Initial Spares										
Total Proc Cost	55.2	3.2	0.4	0.2	0.2	0.2				59.6
Flyaway U/C										
Weapon System Proc U/C	0.0									0.0

Description:

The M107 is a Caliber .50 rifle with attached optics/electro-optics that supports all weather, day/night tactical dominance via rapid-fire direct fire engagements with armor penetrating, incendiary, dual-purpose ammunition. The M107 provides a man-portable, materiel destruction capability to the sniper team. With a family of ammunition, the M107 enables sniper teams to employ destructive force at greater ranges and at a high rate of fire. The M107 will also replace existing non-standard, M82A1, .50 caliber rifles in Explosive Ordnance Detachments as detonation tools. The primary mission of this rifle is to engage and defeat materiel targets at extended ranges to include parked aircraft; command, control, communications, computers, and intelligence (C4I) sites; radar sites; ammunition storage sites; petroleum, oil and lubricant facilities; and various other thin skinned (lightly armored) materiel targets out to 2,000 meters. The M107 will also be used in a counter-sniper role, taking advantage of the longer stand-off range and increased terminal effect of opposing snipers armed with smaller caliber weapons out to 1,000 meters. In support of Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF), additional items are being procured as part of the Rapid Fielding Initiative (RFI). The RFI provides new equipment (Laser Filter Units, Spotter Scopes and ancillary items) to units deployed.

Justification:

FY2009 provides funding for engineering support.

FY2007 funding total includes \$.719 million received in GWOT supplemental.

FY2008 funding totals do not include \$.402 million previously requested for current FY2008 GWOT requirements.

WTCV Cost Elements		ID	FY 07			FY 08			FY 09		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Hardware											
M107 Sniper Weapons		A									
Laser Protection Filters & Anti-Reflect		A	300	660	0.45	110	220	0.50			
Flash/Sound/Recoil Suppressors		A	663	660	1.00	221	220	1.00			
2. Engineering Support			2280			83			223		
Total:			3243			414			223		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

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
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles			Weapon System Type:		P-1 Line Item Nomenclature: M107, CAL. 50, SNIPER RIFLE (G01500)					
1. Hardware										
Laser Protection Filters & Anti-Reflect										
FY 2007	Tenebraex Boston, MA	Option	TACOM-RI, Rock Island, IL	Mar 08	Jun 08	660	0.45			
FY 2008	Tenebraex Boston, MA	Option	TACOM-RI, Rock Island, IL	Mar 08	Jun 08	220	0.50	YES		
Flash/Sound/Recoil Suppressors										
FY 2007	TBS	C/FFP	TACOM-RI, Rock Island, IL	Mar 08	May 08	660	1.00			
FY 2008	TBS	C/FFP	TACOM-RI, Rock Island, IL	Mar 08	May 08	220	1.00	YES		

REMARKS:

FY 07 / 08 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE M107, CAL. 50, SNIPER RIFLE (G01500)	Date: February 2008
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COST ELEMENTS						Fiscal Year 07												Fiscal Year 08												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 07												Calendar Year 08												
						O C T	N O V	D E C	J A N	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	

1. Hardware																															
M107 Sniper Weapons																															
1	FY 06 P	A	1160	300	860	100	100	100	100	100	100	100	100	60																0	
Total						1160	300	860	100	100	100	100	100	100	60																
						O C T	N O V	D E C	J A N	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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Barrett Firearms Mfg., Murfreesboro, TN	300	600	1200		1	Initial	3	7	7	14	
							Reorder	3	3	6	9	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)

Program Elements for Code B Items:
0604601A - Infantry Support Weapons

Code:
B

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty		1200	7497	9342	5017	4940	4350	4350		36696
Gross Cost		4.5	26.9	31.8	17.2	16.9	15.2	14.9		127.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1		4.5	26.9	31.8	17.2	16.9	15.2	14.9		127.3
Initial Spares										
Total Proc Cost		4.5	26.9	31.8	17.2	16.9	15.2	14.9		127.3
Flyaway U/C										
Weapon System Proc U/C		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0

Description:

The XM320 Grenade Launcher Module (GLM) is a 40mm grenade launching weapon that attaches underneath the barrel of the M4 Carbine and the M16 Rifle. The weapon will replace M203 Grenade Launchers. The GLM can also be fired in a stand alone mode. The GLM was a production New Start in FY 2008. The GLM also incorporates an integral Day/Night sighting system and provides a separate laser range finder to assist the gunner in increasing first round accuracy.

Justification:

FY 2009 procure 9,342 Grenade Launcher Modules (GLM). The GLM will provide deploying units an improved capability over the M203 grenade launcher. The GLM 40mm ammunition is loaded from the side providing easier access and a wider range of ammunition as compared to the 35 year old M203 grenade launcher.

FY2007 funding total includes \$4.471 million received in GWOT supplemental.

FY2008 funding totals do not include \$3.500 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. XM320 Grenade Launcher			4131	1200	3	23725	7497	3	29763	9342	3
2. Tool Set			69	60	1	389	375	1	522	467	1
3. Initial Spare Parts			21	300		153	1873		166	2335	
4. Engineering Support			100			2000			900		
5. Integrated Logistics Support (ILS)			50			225			135		
6. Fielding			50			225			135		
7. New Equipment Training (NET)			50			225			135		
Total:			4471			26942			31756		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)							
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
1. XM320 Grenade Launcher										
FY 2007	Heckler & Koch Defense, Inc Sterling, VA	Option	JM&L LCMC, Picatinny, NJ	Sep 08	Dec 08	1200	3	Yes		
FY 2008	Heckler & Koch Defense, Inc Sterling, VA	Option	JM&L LCMC, Picatinny, NJ	Sep 08	Dec 08	7497	3	Yes		
FY 2009	Heckler & Koch Defense, Inc Sterling, VA	Option	JM&L LCMC, Picatinny, NJ	Jan 09	Mar 09	9342	3	Yes		
3. Initial Spare Parts										
FY 2007	Heckler & Koch Defense, Inc Sterling, VA	Option	JM&L LCMC, Picatinny, NJ	Sep 08	Dec 08	300		Yes		
FY 2008	Heckler & Koch Defense, Inc Sterling, VA	Option	JM&L LCMC, Picatinny, NJ	Sep 08	Dec 08	1873		Yes		
FY 2009	Heckler & Koch Defense, Inc Sterling, VA	Option	JM&L LCMC, Picatinny, NJ	Jan 09	Mar 09	2335		Yes		

REMARKS: Firm Fixed Price options to an existing Soldier Enhancement Research & Development contract.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
XM110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	590	510	732	508	464	392				3196
Gross Cost	8.0	7.6	10.4	7.4	6.9	5.9				46.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	8.0	7.6	10.4	7.4	6.9	5.9				46.1
Initial Spares										
Total Proc Cost	8.0	7.6	10.4	7.4	6.9	5.9				46.1
Flyaway U/C										
Weapon System Proc U/C	0.0									0.0

Description:

The M110 Semi-Automatic Sniper System (SASS) is a 7.62mm rapid-fire, rapid-reload, suppressed sniper rifle. It exceeds the rate-of-fire and lethality of the existing M24 Sniper Weapon System. SASS anti-personnel ranges are equal to or greater than the M24. SASS includes an enhanced sniper spotting scope.

Justification:

FY 2009 procures 508 M110 SASS's to meet the Army's requirement for a more effective sniper team with improved capability to fight and survive when engaged in react-to scenarios and to support the maneuver force in a multi-shot, multi-target environment.

FY2007 funding total includes \$.317 million received in GWOT supplemental.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: XM110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. Hardware											
SASS Weapons		A	4857	510	10	7525	732	10	5208	508	10
External Mount Assembly (EMA) and Anti Reflection Devices (ARD)			161	510		366	732		254	508	
Spotting Scope Items			510	510	1	732	732	1	492	508	1
2. Maintenance & Repair											
3. Refurbish for UFR									45		
4. Shipping (GBL)						60			52		
5. Blank Firing Adapter			43			70					
6. Engineering Support			1347			514			721		
7. STRICOM (MILES)			370			247			199		
8. Testing						375			57		
9. Integrated Logistics Support (ILS)			100			137			104		
10. New Equipment Training (NET)			85			205			156		
11. Total Package Fielding (TPF)			115			158			119		
12. Engineering Change Proposals (ECP)											
Total:			7588			10389			7407		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type: XM110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)		P-1 Line Item Nomenclature: XM110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)							
1. Hardware											
SASS Weapons											
FY 2007	Knights Armaments Co. Titusville, FL	Option	JM&L LCMC, Picatinny,NJ	Sep 07	Jun 08	510	10				
FY 2008	Knights Armaments Co. Titusville, FL	Option	JM&L LCMC, Picatinny,NJ	Jun 08	Dec 08	732	10	YES			
FY 2009	Knights Armaments Co. Titusville, FL	Option	JM&L LCMC, Picatinny,NJ	Mar 09	Oct 09	508	10	YES			
Anti Reflection Devices (ARD)											
FY 2007	Tenebraex Boston, MA	C/FFP	TACOM-RI,Rock Island, IL	Aug 07	Nov 07	510					
FY 2008	Tenebraex Boston, MA	Option	TACOM-RI,Rock Island, IL	Mar 08	Jun 08	732		YES			
FY 2009	Tenebraex Boston, MA	Option	TACOM-RI,Rock Island, IL	Mar 09	Jun 09	508		YES			
Spotting Scope Items											
FY 2007	Ashbury International Charlottesville, VA	Option	JM&L,LCMC,Picatinny, NJ	Mar 08	May 08	510	1				
FY 2008	Ashbury International Charlottesville, VA	Option	JM&L,LCMC,Picatinny, NJ	Mar 08	May 08	732	1	YES			
FY 2009	Ashbury International Charlottesville, VA	Option	JM&L,LCMC,Picatinny, NJ	Mar 09	May 09	508	1	YES			

REMARKS:

FY 09 / 10 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE XM110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)	Date: February 2008
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COST ELEMENTS						Fiscal Year 09													Fiscal Year 10													Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09													Calendar Year 10													
						O C T	N O V	D E C	J A N	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			

1. Hardware																																			
SASS Weapons																																			
1	FY 06	A	590	590																															0
1	FY 07	A	510	310	200	75	75	50																											0
1	FY 08	A	732	0	732			25	75	75	75	75	75	75	75	32																			0
1	FY 09	A	508	0	508						A					40	72	72	72	72	72	72	72	36										0	
Total			2340	900	1440	75	75	75	75	75	75	75	75	75	75	72	72	72	72	72	72	72	72	36											
						O C T	N O V	D E C	J A N	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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Knights Armaments Co., Titusville, FL	508	2400	4800		1	Initial	3	6	7	13	
							Reorder	3	5	8	13	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
M4 Carbine (G14904)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	249894	82017	64450	88964	67779	56426	18240	14360		642130
Gross Cost	221.4	100.6	105.1	151.1	125.9	116.6	38.9	32.0		891.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	221.4	100.6	105.1	151.1	125.9	116.6	38.9	32.0		891.6
Initial Spares										
Total Proc Cost	221.4	100.6	105.1	151.1	125.9	116.6	38.9	32.0		891.6
Flyaway U/C										
Weapon System Proc U/C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0

Description:

The M4 Carbine is a 5.56mm, gas-operated, air-cooled, magazine-fed, selective-rate, shoulder-fired weapon. It is fed by a 30-round magazine and has continued to replace all M3A1 WWII era .45 Cal Submachine guns, select M16 series rifles, and select M9 pistols. It provides the individual Soldier operating in close quarters the capability to engage targets at extended ranges with accurate lethal fire. More compact than the M16 series rifle and featuring a collapsible stock, it achieves over 85% commonality with the M16A4 Rifle. The M4 carbine also includes the Modular Weapon System (MWS) which provides six (6) additional magazines, the M4 Rail Assembly System and the Back-up Iron Sight. It also will be delivered with a Combat Optic (FY08 New Start).

Justification:

FY 2009 procures 88,964 M4 Carbines and Combat Optics. The M4 Carbine provides Soldiers with a small, lightweight weapon that can provide better self-protection and additional firepower in close quarters.

FY2007 funding total includes \$98.412 million received in GWOT supplemental.

FY2008 funding totals do not include \$79.469 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: M4 Carbine (G14904)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. M4 Carbine		A	100197	82017	1.2	75849	64450	1.2	109468	88964	1.2
2. Combat Optics						24448	64450	0.4	37456	88964	0.4
3. Engineering Support			364			3609			2847		
4. Integrated Logistics Support			27			602			642		
5. Fielding/Transportation			36			601			642		
6. Engineering Studies											
7. Engineering Services											
8. Reliability Test											
Total:			100624			105109			151055		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: M4 Carbine (G14904)							
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
1. M4 Carbine										
FY 2007	Colt's Mfg Co. Inc Hartford, CT	Option	JM&L LCMC, Rock Island, IL	Jan 07	Aug 07	82017	1.2	Yes		
FY 2008	Colt's Mfg Co. Inc Hartford, CT	Option	JM&L LCMC, Rock Island, IL	Dec 07	Sep 08	64450	1.2	Yes		
FY 2009	Colt's Mfg Co. Inc Hartford, CT	Option	JM&L LCMC, Rock Island, IL	Jan 09	May 09	88964	1.2	Yes		
2. Combat Optics										
FY 2008	Aimpoint Inc. Chantilly, VA	Option	JM&L LCMC, Picatinny, NJ	Feb 08	Aug 08	64450	0.4	Yes		
FY 2009	Aimpoint Inc. Chantilly, VA	Option	JM&L LCMC, Picatinny, NJ	Jan 09	May 09	88964	0.4	Yes		

REMARKS:

FY 07 / 08 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE M4 Carbine (G14904)	Date: February 2008
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COST ELEMENTS						Fiscal Year 07												Fiscal Year 08												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 07												Calendar Year 08												
						O C T	N O V	D E C	J A N	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	

1. M4 Carbine																																
1	FY 06 & PR	A	54408	0	54408	1000	5000	6000	7000	6500	6000	6000	6000	6000	4908																	0
1	FY 07	A	82017	0	82017				A							1475	3000	3000	4000	4000	5000	6000	9000	8000	8000	8000	8000	8000	8000	6542	0	
1	FY 08	A	64450	0	64450														A											2488	61962	
1	FY 09	A	88964	0	88964																										88964	
1	FY 06 & PR	AF	2960	0	2960					1110	1194		656																		0	
1	FY 07	AF	2030	0	2030																						276		672	500	582	0
1	FY 06 & PR	FMS	7172	0	7172		200			1730	277		600			4270	5	90													0	
1	FY 07	FMS	6415	5117	1298																	470		300	528						0	
1	FY 08	FMS	10000	0	10000																										10000	
1	FY 09	FMS	10000	0	10000																										10000	
						O C T	N O V	D E C	J A N	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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Colt's Mfg Co. Inc, Hartford, CT	12000	36000	144000	18	1	Initial	5	3	8	11	FY08 new start Combat Optics to coincide with the Carbine deliveries. Current contractor anticipates increasing maximum capacity
							Reorder	2	2	10	12	
2	Aimpoint Inc., Chantilly, VA	1000	300000	360000	6	2	Initial	5	4	7	11	
							Reorder	2	4	7	11	
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 09 / 10 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE M4 Carbine (G14904)	Date: February 2008
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	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	

1. M4 Carbine																																	
1	FY 06 & PR	A	54408	54408																													0
1	FY 07	A	82017	82017																													0
1	FY 08	A	64450	2488	61962	9400	9400	8778	8778	8778	8778	8050																					0
1	FY 09	A	88964	0	88964				A				9700	9700	9700	9700	9700	9700	9700	9700	9700	9700	1664									0	
1	FY 06 & PR	AF	2960	2960																													0
1	FY 07	AF	2030	2030																													0
1	FY 06 & PR	FMS	7172	7172																													0
1	FY 07	FMS	6415	6415																													0
1	FY 08	FMS	10000	0	10000	850	850	1850	1850	1850	1050	1700																					0
1	FY 09	FMS	10000	0	10000						850	850	850	850	850	850	850	850	850	850	850	850	650									0	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Colt's Mfg Co. Inc, Hartford, CT	12000	36000	144000	18	1	Initial	5	3	8	11	FY08 new start Combat Optics to coincide with the Carbine deliveries. Current contractor anticipates increasing maximum capacity
							Reorder	2	2	10	12	
2	Aimpoint Inc., Chantilly, VA	1000	300000	360000	6	2	Initial	5	4	7	11	
							Reorder	2	4	7	11	
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)

Program Elements for Code B Items:
0604601A - Infantry Support Weapons

Code:
B

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	1900		6054	7135	5993	5774	5318	5280		37454
Gross Cost	4.5		7.9	9.1	7.6	7.4	7.0	6.9		50.4
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	4.5		7.9	9.1	7.6	7.4	7.0	6.9		50.4
Initial Spares										
Total Proc Cost	4.5		7.9	9.1	7.6	7.4	7.0	6.9		50.4
Flyaway U/C										
Weapon System Proc U/C	0.0		0.0	0.0	0.0	0.0	0.0	0.0		0.0

Description:

The Modular Accessory Shotgun System (MASS) is a 12 gauge shotgun that attaches underneath the barrel of the M4 Carbine. The MASS can also be fired in a stand alone mode. The MASS provides the capability to fire lethal, non-lethal, and door breaching 12 gauge rounds. The weapon system can be zeroed to the sighting system of the host weapon for improved accuracy.

Justification:

FY 2009 procures 7,135 Modular Accessory Shotgun Systems (MASS). The MASS will provide deploying units a critical capability in the urban environment to breach doors, engage in close quarters combat, or fire non-lethal ammunition with a 12 gauge shotgun without releasing their primary weapon.

FY2008 funding totals do not include \$4.000 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Shotguns						7428	6054	1	8905	7135	1
2. Initial Spare Parts						32	1514				
3. Engineering Support						294			123		
4. Integrated Logistics Support						33			23		
5. Fielding						33			23		
6. New Equipment Training (NET)						33			23		
Total:						7853			9097		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)							
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
1. Shotguns										
FY 2008	Vertu Corporation Manassas, VA	Option	JM&L LCMC, Picatinny, NJ	Dec 08	Feb 09	6054	1	Yes		
FY 2009	Vertu Corporation Manassas, VA	Option	JM&L LCMC, Picatinny, NJ	Dec 08	Dec 09	7135	1	Yes		
2. Initial Spare Parts										
FY 2008	Vertu Corporation Manassas, VA	Option	JM&L LCMC, Picatinny, NJ	Dec 08	Feb 09	1514		Yes		

REMARKS:

FY 07 / 08 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)	Date: February 2008
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COST ELEMENTS						Fiscal Year 07														Fiscal Year 08														Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 07														Calendar Year 08														
						O C T	N O V	D E C	J A N	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					

1. Shotguns																															
1	FY 06	A	1900	0	1900																								A	200	1700
1	FY 08	A	6054	0	6054																										6054
1	FY 09	A	7135	0	7135																										7135
			15089		15089																									200	14889
						O C T	N O V	D E C	J A N	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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Vertu Corporation, Manassas, VA	1000	6000	7200	6	1	Initial	3	9	3	12	FY07 production funding not required due to production rate of the small business vendor and late start of production. Lead time is based upon planned LRIP award in FY08.
							Reorder	1	2	9	11	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
Common Remotely Operated Weapons Station (CROWS) (G04700)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	1022	1165	100							2287
Gross Cost	278.9	237.4	29.7							546.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	278.9	237.4	29.7							546.0
Initial Spares										
Total Proc Cost	278.9	237.4	29.7							546.0
Flyaway U/C										
Weapon System Proc U/C										

Description:

The Common Remotely Operated Weapon Station (CROWS) is a mount that provides the capability to remotely operate all standard U.S. Army machine guns (i.e., M2 Heavy Barrel Machine Guns, MK-19 Grenade Machine Guns, M240B Medium Machine Guns and M249 Squad Automatic Weapons) on an Up-Armored High Mobility Multi-Purpose Wheeled Vehicle (HMMWV) and a variety of other vehicles. The CROWS system includes a two-axis stabilized mount, a sensor suite with fire control software, and a vehicle integration kit. Planned product improvements include integration with other vehicles including the M1A2 Main Battle Tank, the M93 FOX Recon Vehicle, the M1117 Armored Security Vehicle, and the M113 Armored Personnel Carrier. CROWS permits the gunner to manipulate the sight and weapon from under armor using a hand controller and a flat panel display. Missions can be carried out under conditions of varying visibility via the day camera or second generation Forward Looking Infrared (FLIR) camera. The laser range finder and two-axis stabilization allows for accurate fire on the move at speeds up to 15 miles per hour.

Justification:

FY2009 has no funding.

FY2007 funding total includes \$220.000 million received in GWOT supplemental.

FY2008 funding totals do not include \$220.000 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: Common Remotely Operated Weapons Station (CROWS) (G04700)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Hardware											
1. CROWS system			224099	1165	192	19200	100	192			
2. Vehicle Integration Kit			3566	1189	3	220	73	3			
3. Trainers			1000			4323					
4. Engineering Support			3805			1960					
5. Integrated Logistics Support											
6. Total Package Fielding											
7. Production Verification Test			500			500					
8. First Destination Transportation			671			192					
9. Contractor Field Service Representative											
10. Spares/Repair Parts			1239			2674					
11. New Equipment Training			2520			624					
12. Product Improvements											
Total:			237400			29693					

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: Common Remotely Operated Weapons Station (CROWS) (G04700)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. CROWS system										
FY 2007	Kongsberg Aerospace Johnstown, PA	C/FFP	TACOM-Picatinny, Picatinny,NJ	Aug 07	Jan 09	1165	192			
FY 2008	Kongsberg Aerospace Johnstown, PA	Option	TACOM-Picatinny, Picatinny,NJ	Aug 08	Oct 09	100	192	Yes		
2. Vehicle Integration Kit										
FY 2007	Micor Industries Decatur, AL	Option	TACOM-Picatinny, Picatinny,NJ	Feb 08	Aug 08	1189	3			
FY 2008	Micor Industries Decatur, AL	Option	TACOM-Picatinny, Picatinny,NJ	Feb 08	Sep 08	73	3	Yes		

REMARKS:

FY 09 / 10 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE Common Remotely Operated Weapons Station (CROWS) (G04700)	Date: February 2008
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COST ELEMENTS						Fiscal Year 09														Fiscal Year 10														Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09														Calendar Year 10														
						O C T	N O V	D E C	J A N	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					

1. CROWS system																														
1	FY 06 P	A	763	381	382	120	120	120	22																					0
1	FY 07	A	1165	0	1165				98	120	120	120	120	120	120	120	107													0
1	FY 08	A	100	0	100												13	87												0
1	FY 06 P	MC	4	4																										0
Total						2032	385	1647	120	120	120	120	120	120	120	120	120	87												
						O C T	N O V	D E C	J A N	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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Kongsberg Aerospace, Johnstown, PA	120	1440	3000		1	Initial	2	10	18	28	
							Reorder	2	10	15	25	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
FUTURE HANDGUN SYSTEM (FHS) (G15325)

Program Elements for Code B Items:
0604601A - Infantry Support Weapons

Code:
B

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				5000	5000	5000				15000
Gross Cost				3.5	3.5	3.5				10.4
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				3.5	3.5	3.5				10.4
Initial Spares										
Total Proc Cost				3.5	3.5	3.5				10.4
Flyaway U/C										
Weapon System Proc U/C				0.0	0.0	0.0				0.0

Description:

The Future Handgun System will replace the M9 Pistols a Personal Defense Weapon (PDW). A new personal defense weapon is required to replace the outdated M9 Pistols.

Justification:

FY 2009 procures 5,000 Future Handgun Systems as a new Personal Defense Weapon (PDW).

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
HOWITZER LT WT 155MM (T) (G01700)

Program Elements for Code B Items:
0604854-509

Code:
B

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	35	78	185	38	13	12	16	17	40	434
Gross Cost	96.0	172.2	411.0	113.2	38.1	35.8	46.7	46.7	92.0	1051.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	96.0	172.2	411.0	113.2	38.1	35.8	46.7	46.7	92.0	1051.6
Initial Spares										
Total Proc Cost	96.0	172.2	411.0	113.2	38.1	35.8	46.7	46.7	92.0	1051.6
Flyaway U/C										
Weapon System Proc U/C	2.7	2.2	2.2	3.0	2.9	3.0	2.9	2.7	2.3	24.0

Description:

The Lightweight 155mm Towed Howitzer (LW155) is a Joint United States Marine Corps (USMC)/Army Program. A 40% reduction in weight compared to the current system allows for greater strategic and tactical mobility while improving range, weapon stability, accuracy, and durability. Significantly improved battlefield mobility creates a weapon that is more survivable and lethal. The LW155 has a digital fire control system but retains conventional fire control as a backup. The digital fire control enables the LW155 Howitzer to emplace faster and without survey, aiming posts or an aiming circle. Digital communications and an on-board antenna eliminate the need for wire to the Fire Direction Center and increases dispersion and survivability on the battlefield. Modifications to the existing prime mover enable the howitzer unit to navigate, recharge the system and receive fire missions, all while moving to the next firing position. The LW155 has the hardware and software required to fire the Excalibur Precision Munition.

Justification:

FY2009 procures 38 Lightweight 155mm Towed Howitzers (LW155). FY2008 production is the final year of a joint FY2005-FY2008 multiyear procurement with the USMC. Contracts for the procurement of howitzers, primer feed mechanisms, and optical fire control for FY2008/FY2009 Grow the Army quantities will be awarded as single year buys.

The LW155 replaces the M198 Towed Howitzer for the U.S. Army and USMC. The LW155 must be procured in FY2009 to continue replacing the aging, heavier M198 howitzer. The LW155 is the cannon fire support for the Army's Stryker Brigade Combat Teams (SBCT) and is capable of firing the 155mm Excalibur Precision Munition.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: HOWITZER LT WT 155MM (T) (G01700)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
WVA Cannon Long Lead			5796	126	46						
BAE Lightweight 155mm Howitzer			132600	78	1700	333000	185	1800	86375	38	2273
Watervliet Arsenal Cannon			15990	78	205	46250	185	250	9500	38	250
Primer Feed Mechanism			1404	78	18	3700	185	20	798	38	21
Optical Fire Control			3120	78	40	8325	185	45	1824	38	48
Basic Initial Issue			4467			9885			4236		
Watervliet Arsenal Facilitization											
System Engineering / Program Management			5031			5036			5236		
Test			1755			2568			2658		
Fielding			2031			2208			2578		
Total:			172194			410972			113205		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: HOWITZER LT WT 155MM (T) (G01700)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
WVA Cannon Long Lead										
FY 2007	Watervliet Arsenal Watervliet, NY 12189	MIPR	N/A	Oct 06	Oct 07	126	46			
FY 2008	Watervliet Arsenal Watervliet, NY 12189	MIPR	N/A	Oct 07	Oct 08					
FY 2009	Watervliet Arsenal Watervliet, NY 12189	MIPR	N/A	Oct 08	Oct 09					
BAE Lightweight 155mm Howitzer										
FY 2007	BAE SYSTEMS Barrow-in-Furness, UK	MYP/FFP	Picatunny Arsenal, NJ	Oct 06	May 07	78	1700			
FY 2008	BAE SYSTEMS Barrow-in-Furness, UK	MYP/FFP	Picatunny Arsenal, NJ	Mar 08	Sep 08	185	1800			
FY 2009	BAE SYSTEMS Barrow-in-Furness, UK	SS/FFP	Picatunny Arsenal, NJ	Oct 08	Sep 09	38	2273			
Watervliet Arsenal Cannon										
FY 2007	Watervliet Arsenal Watervliet, NY 12189	MIPR	N/A	Oct 06	Feb 07	78	205			
FY 2008	Watervliet Arsenal Watervliet, NY 12189	MIPR	N/A	Oct 07	Jun 08	185	250			
FY 2009	Watervliet Arsenal Watervliet, NY 12189	MIPR	N/A	Oct 08	May 09	38	250			
Primer Feed Mechanism										
FY 2007	HTD Hartford, CT	MYP/FFP	Picatunny Arsenal, NJ	Oct 06	Feb 07	78	18			
FY 2008	HTD Hartford, CT	MYP/FFP	Picatunny Arsenal, NJ	Oct 07	Jun 08	185	20			
FY 2009	HTD Hartford, CT	SS/FFP	Picatunny Arsenal, NJ	Oct 08	May 09	38	21			
Optical Fire Control										
FY 2007	Seiler St. Louis, MO	MYP/FFP	Picatunny Arsenal, NJ	Oct 06	Feb 07	78	40			
FY 2008	Seiler St. Louis, MO	MYP/FFP	Picatunny Arsenal, NJ	Oct 07	Jun 08	185	45			
FY 2009	Seiler St. Louis, MO	SS/FFP	Picatunny Arsenal, NJ	Oct 08	May 09	38	48			

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: HOWITZER LT WT 155MM (T) (G01700)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date

REMARKS: Current LW155 Towed Howitzer procurement is being accomplished through a Multiyear (FY05-FY08) Procurement Contract. Contracts for the procurement of howitzers, primer feed mechanisms, and optical fire control for FY2008/FY2009 Grow the Army quantities will be awarded as single year buys.

FY09 Weapon System procurement unit cost is high because the Howitzer procurement will be awarded as single year buys.

FY 07 / 08 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE HOWITZER LT WT 155MM (T) (G01700)	Date: February 2008
--	--	------------------------

COST ELEMENTS						Fiscal Year 07													Fiscal Year 08													Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 07													Calendar Year 08													
						O C T	N O V	D E C	J A N	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			
Lightweight 155mm Towed Howitzer (LW155)																																
1	FY 06	A	19	0	19	12	7																					0				
1	FY 07	A	78	0	78	A							9	10	9	6					10	14	7	8	5				0			
1	FY 08	A	185	0	185																		A				16	169				
1	FY 09	A	38	0	38																							38				
1	FY 10	A	13	0	13																							13				
1	FY 11	A	12	0	12																							12				
1	FY 12	A	16	0	16																							16				
1	FY 13	A	17	0	17																							17				
LW155 (USMC - For Information Only)																																
1	FY 06	MC	69	0	69				6	14	5	13	5			8	14	4											0			
1	FY 07	MC	34	0	34											10	14	4			6							0				
1	FY 08	MC	80	0	80															3	8	11	16	14	14	14		0				
Total			561		561	12	7		6	14	5	13	14	10	9	14	14	14	14	14	16	16	16	16	16	16	14	14	14	16	265	
						O C T	N O V	D E C	J A N	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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	BAE SYSTEMS, Barrow-in-Furness, UK	48	192	192		1	Initial	0	6	6	12	The FY05-08 Full Rate Production Contract is a Joint Multi-Year procurement with the USMC. This Multi-Year Contract was awarded in March 2005. Admin and Production Leadtimes are for FY05 buy.
							Reorder	0	1	11	12	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
MK-19 Grenade Machine Gun MODS (GB3000)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	22.1	3.2	6.2	7.7	8.4	8.5	10.9	11.2		78.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	22.1	3.2	6.2	7.7	8.4	8.5	10.9	11.2		78.1
Initial Spares										
Total Proc Cost	22.1	3.2	6.2	7.7	8.4	8.5	10.9	11.2		78.1
Flyaway U/C										
Weapon System Proc U/C										

Description:

The MK-19 Mod 3 is a self-powered, air-cooled, 40mm automatic grenade machine gun capable of a firing rate of 325-375 rounds per minute. It is used to engage point targets up to 1500 meters and provide suppressive fire at ranges up to 2200 meters. Since the initial fielding of the MK-19, various system enhancements have been identified that further improve the system by increasing operational capabilities and improving reliability, readiness, maintainability, and safety. These improvements include a lightweight adjustable sight bracket; a weapon-sight bracket interface; improved firing pin sear with modified firing pin; an adjustable secondary drive lever; and a Tactical Engagement Simulator (TES) to support Force-on-Force Training.

Justification:

FY 2009 procures the Lightweight Adjustable Sight Bracket and the MK-19 TES. The MK-19 will be mounted on various vehicles and on the M3 tripod for ground mounted applications. It will replace select M2 .50 Cal and M60 7.62mm machine guns in mechanized, light infantry, engineer, military police, and other combat support and combat service support units. The adjustable sight bracket will provide a means of mounting light accessories (laser pointer/designator, combat ID, optics) on the MK-19. When attached to the MK-19, the sight base will provide a mounting interface for various fire control and night vision devices. The TES provides Army units with the ability to realistically "train as they fight" by simulating force-on-force engagements in order to improve the user's effectiveness with this weapon system.

Exhibit P-40M, Budget Item Justification Sheet											Date: February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles						P-1 Item Nomenclature MK-19 Grenade Machine Gun MODS (GB3000)						
Program Elements for Code B Items:								Code:		Other Related Program Elements:		
Description		Fiscal Years										
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total	
Tactical Engagement Simulator (TES)												
TBD1		4.4	2.8	6.0	7.6	8.4	8.5	10.9	11.2	0.0	59.8	
Lightweight Adjustable Sight Bracket												
TBD2		7.0	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	7.7	
Closed - Modification Kit												
TBD3		10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	
Totals		22.1	3.2	6.2	7.7	8.4	8.5	10.9	11.2	0.0	78.2	

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Tactical Engagement Simulator (TES) [MOD 1] TBD1

MODELS OF SYSTEM AFFECTED: MK-19 Grenade Machine Gun

DESCRIPTION / JUSTIFICATION:

The Tactical Engagement Simulator (TES) is a non-line of sight device which simulates the ballistic characteristics of the MK-19 Grenade Machine Gun (GMG). It serves as a training device to provide realistic training during force-on-force engagements.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Production Contract Award 2Q05 (Actual)
 First Production Delivered 3Q06 (Actual)
 First Unit Equipped 3Q07 (Actual)

Installation Schedule

	Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 8 months
 Contract Dates: FY 2008 - Mar 08 FY 2009 - Mar 09 FY 2010 - Mar 10
 Delivery Dates: FY 2008 - Oct 08 FY 2009 - Oct 09 FY 2010 - Oct 10

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Tactical Engagement Simulator (TES) [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity	383		217		488		228		252		258		330		334					2490
Installation Kits																				
Installation Kits, Nonrecurring																				
Hardware		3.3		2.3		4.9		6.6		7.1		7.2		9.2		9.4				50.0
--																				
Engineering Support		0.8		0.3		0.6		0.6		0.8		0.8		1.0		1.0				5.9
Testing																				
Integrated Logistical Support		0.2		0.1		0.3		0.2		0.2		0.2		0.3		0.3				1.8
Fielding		0.1		0.1		0.2		0.2		0.3		0.3		0.4		0.5				2.1
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 Equip -- Kits																				
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		4.4		2.8		6.0		7.6		8.4		8.5		10.9		11.2		0.0		59.8

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Lightweight Adjustable Sight Bracket [MOD 2] TBD2

MODELS OF SYSTEM AFFECTED: MK-19 Grenade Machine Gun

DESCRIPTION / JUSTIFICATION:
The lightweight adjustable sight bracket adjusts to allow the accessory to maintain a line of sight to the target out to max range while the weapon is elevated to engage targets.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

First Production Contract Award 4Q01 (Actual)
First Production Delivered 3Q03 (Actual)
First Unit Equipped 4Q04 (Actual)

Installation Schedule

Pr Yr	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs																				
Outputs																				

FY 2012	FY 2013				FY 2014				FY 2015				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 8 months
 Contract Dates: FY 2008 - Mar 08 FY 2009 - Mar 09 FY 2010 -
 Delivery Dates: FY 2008 - Oct 08 FY 2009 - Aug 09 FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Lightweight Adjustable Sight Bracket [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity	10998		408		277															11683
Installation Kits																				
Installation Kits, Nonrecurring																				
Hardware		4.6		0.2		0.1														4.9
--																				
Engineering Support		1.3		0.1		0.1														1.5
Testing																				
Integrated logistical Support		0.5																		0.5
Fielding		0.6		0.1				0.1												0.8
--																				
--																				
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		7.0		0.4		0.2		0.1		0.0		0.0		0.0		0.0		0.0		7.7

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles
 P-1 Item Nomenclature: M4 CARBINE MODS (GB3007)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	306.9	160.6	17.6	16.8	17.9	16.6	13.7	13.4		563.4
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	306.9	160.6	17.6	16.8	17.9	16.6	13.7	13.4		563.4
Initial Spares										
Total Proc Cost	306.9	160.6	17.6	16.8	17.9	16.6	13.7	13.4		563.4
Flyaway U/C										
Weapon System Proc U/C										

Description:
 The M4 Carbine Modification Program provides a Combat Optic, Close Quarters Battle Kit, an Improved Buttstock, and a Modular Weapon System. The Modular Weapon System includes a rail system, a top carry sling, a flashlight mount, a quick attach bracket kit for the M203 Grenade Launcher, and a back-up iron sight. It also provides the capability for firing the M203A1 Grenade Launcher (GL) with the M4 Carbine. Suppressor FY2010 New Start. The suppressor attaches to the muzzle end of the weapon (M4 Carbine and M16 Rifle) to reduce weapon flash, smoke, noise, and dust.

Justification:
 FY 2009 procures M4 Modular Weapon Systems (MWS), Close Quarters Battle Kit, Improved Combat Optics, and RFI items as listed below. The MWS is a key component of Soldier lethality and allows the combat commander to configure weapons based upon the mission. The permanent iron sight provides a back-up capability in the event it becomes immediately necessary. The Close Quarters Battle Kit provides the Soldier with multiple low cost items to increase lethality and survivability with the M4 carbine and/or M16A4 rifle. The Improved Combat Optics will enhance the capability to identify and engage targets from 300 to 600m for long-range first round hit. This system will not degrade the Soldier's ability to conduct reflexive fire techniques and will allow for the Soldier to transition rapidly between long-range engagements and close quarters engagements. In support of Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF), additional items are being procured for the Rapid Fielding Initiative (RFI). The RFI provides new equipment to units being deployed. These items include the close combat optics, improved combat optics, bipods, forward grips, cleaning kits, improved buttstocks, and slings.

FY2007 funding total includes \$145.202 million received in GWOT supplemental.
 FY2008 funding totals do not include \$125.115 million previously requested for current FY2008 GWOT requirements.

Exhibit P-40M, Budget Item Justification Sheet											Date: February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles						P-1 Item Nomenclature M4 CARBINE MODS (GB3007)						
Program Elements for Code B Items:								Code:		Other Related Program Elements:		
Description			Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total	
Modular Weapon System												
TBD1	Operational	48.3	3.7	6.8	0.0	0.0	0.0	0.0	0.0	0.0	58.8	
Combat Optics												
TBD2	Operational	28.0	54.8	4.7	2.6	5.3	5.0	4.3	4.1	0.0	108.8	
Close Quarters Battle Kit												
TBD3	Operational	5.2	83.2	5.2	14.2	9.6	7.5	5.3	5.2	0.0	135.4	
Suppressors												
TBD4	Operational	0.0	0.0	0.0	0.0	2.9	4.1	4.1	4.1	0.0	15.2	
Rapid Fielding Initiative												
TBD5	Operational	222.9	18.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	242.7	
Closed Mods												
TBD6		2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	
Totals		306.9	160.6	17.6	16.8	17.8	16.6	13.7	13.4	0.0	563.4	

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Modular Weapon System [MOD 1] TBD1

MODELS OF SYSTEM AFFECTED: M4 Carbine (5.56mm)

DESCRIPTION / JUSTIFICATION:

The modular weapon is a system of mounting rails/methods to allow the custom configuration of M4 Carbines with ancillary items such as optics, night sights, Infrared (IR) laser pointers, the grenade launcher, etc. based upon mission requirements. The Modular Weapon System includes the adapter rail system, sling, back-up iron sight and weapon flashlight mount.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Developmental/Operational Tests 3Q95/2Q96 (Actual)
 Milestone III Production Decision 4Q97 (Actual)
 Production Contract Award 4Q97 (Actual)
 First Production Hardware Delivered 4Q98 (Actual)
 First Unit Equipped 2Q99 (Actual)

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	To Complete	Totals	
																		FY 2012
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION: Installed by Troops ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 2 months
 Contract Dates: FY 2008 - Jan 08 FY 2009 - FY 2010 -
 Delivery Dates: FY 2008 - Feb 08 FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Modular Weapon System [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Quantity (Rail Systems Only)	84240																			84240	
Quantity (Other Components)	94235		42817		130000															267052	
Hardware		41.6		2.5		6.3															50.4
Engineering Support		3.5		0.7		0.2															4.4
Integrated Logistical Support		1.3		0.3		0.2															1.8
Fielding		1.5		0.2		0.1															1.8
Engineering Study		0.4																			0.4
Installation of Hardware																					
FY 2006& Prior Equip -- Kits																					
FY 2007 -- Kits																					
FY 2008 Equip -- Kits																					
FY 2009 Equip -- Kits																					
FY2010 Other Equip -- Kits																					
FY2011 Other Equip -- Kits																					
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
Total Procurement Cost		48.3		3.7		6.8		0.0		0.0		0.0		0.0		0.0		0.0		58.8	

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Combat Optics [MOD 2] TBD2

MODELS OF SYSTEM AFFECTED: M4 Carbine (5.56mm)

DESCRIPTION / JUSTIFICATION:

The Close Combat Optic will be installed on the M4 Carbine. The Close Combat Optic allows the Soldier to fire a weapon with both eyes open allowing greater awareness of events happening in close proximity. The Close Combat Optic gives the Soldier greater hit probability in daylight, low light level, wet weather and other adverse conditions. Several new improved combat optics are being evaluated with Research, Development, Test and Evaluation (RDTE) funds. The new selected combat optic will provide an reflexive fire techniques and will allow for the Soldier to transition rapidly between long-range and close quarters engagements.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Close Combat Optic:

Type Classification (LRIP) 4Q96 (Actual)

First Production Hardware Delivered 1Q97 (Actual)

First Unit Equipped 2Q98 (Actual)

Improved Combat Optic

Milestone B 2Q07 (Actual)

Developmental/Operational Test 1Q08 (Plan)

Milestone C 2Q08 (Plan)

First Unit Equipped 3Q08 (Plan)

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

1	FY 2012			FY 2013			FY 2014			FY 2015			To Complete	Totals
	2	3	4	1	2	3	1	2	3	1	2	3		
Inputs														
Outputs														

METHOD OF IMPLEMENTATION: Installed by troops **ADMINISTRATIVE LEADTIME:** 3 months **PRODUCTION LEADTIME:** 2 months
Contract Dates: FY 2008 - Feb 08 FY 2009 - Jan 09 FY 2010 - Jan 10
Delivery Dates: FY 2008 - Mar 08 FY 2009 - Feb 09 FY 2010 - Feb 10

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Combat Optics [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity	10812		273070		2570		1140		7140		6710		5690		5410				312542	
Hardware		26.4		53.8		3.9		2.3		5.0		4.7		4.1		3.9				104.1
Engineering Support		0.9		0.8		0.5		0.2		0.2		0.2		0.1		0.1				3.0
Test		0.2																		0.2
Integrated Logistical Support		0.2		0.1		0.2		0.1		0.1		0.1		0.1		0.1				1.0
Fielding		0.3		0.1		0.1														0.5
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 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	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		28.0		54.8		4.7		2.6		5.3		5.0		4.3		4.1		0.0		108.8

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Close Quarters Battle Kit [MOD 3] TBD3

MODELS OF SYSTEM AFFECTED: M4 Carbine (5.56mm)

DESCRIPTION / JUSTIFICATION:

The Close Quarters Battle Kit provides the Soldier with multiple low cost items to increase lethality and survivability with individual weapons. The Close Quarters Battle Kit will provide the following items: Low profile bipod, cleaning kit, improved magazines, magazine pouches, multiple magazine holders with storage pouches, forward rail brackets, and improved weapon sling.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Close Quarters Battle Kit Re-competition
 Evaluation & Downslect 4Q07/2Q08 (Plan)
 Production Contract Award 3Q08 (Plan)
 First Unit Equip 1Q09 (Plan)

Installation Schedule

Pr Yr	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

Pr Yr	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: installed by troops ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 2 months
 Contract Dates: FY 2008 - Jan 08 FY 2009 - Jan 09 FY 2010 - Jan 10
 Delivery Dates: FY 2008 - Feb 08 FY 2009 - Feb 09 FY 2010 - Feb 10

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Close Quarters Battle Kit [MOD 3] TBD3

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Kit Quantity																					
Installation Kits	10000		117827		10000		19857		13000		10000		6714		6571				193969		
Installation Kits, Nonrecurring																					
Hardware		4.6		82.5		4.6		13.9		9.1		7.0		4.7		4.6					131.0
Equipment, Nonrecurring																					
Engineering Support		0.3		0.3		0.2		0.1		0.1		0.1		0.2		0.2					1.5
Integrated Logistic Support		0.2		0.2		0.2		0.1		0.2		0.2		0.2		0.2					1.5
Fielding		0.1		0.1		0.1		0.1		0.1		0.1		0.1		0.1					0.8
Engineering Studies				0.1		0.1				0.1		0.1		0.1		0.1					0.6
Other																					
Interim Contractor Support																					
Installation of Hardware																					
FY 2006 & Prior Equip -- Kits																					
FY 2007 -- Kits																					
FY 2008 Equip -- Kits																					
FY 2009 Equip -- Kits																					
FY 2010 Equip -- Kits																					
FY 2011 Equip -- Kits																					
FY 2012 Equip -- Kits																					
FY 2013 Equip -- Kits																					
FY08 GTA Equip-Kit																					
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0
Total Procurement Cost		5.2		83.2		5.2		14.2		9.6		7.5		5.3		5.2			0.0		135.4

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Suppressors [MOD 4] TBD4

MODELS OF SYSTEM AFFECTED: M4 Carbine (5.56mm)

DESCRIPTION / JUSTIFICATION:
The suppressor attaches to the muzzle end of the weapon to reduce weapon flash, smoke, noise, and dust. The suppressor will reduce detection when the Soldier engages targets.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Evaluation/Downselect 1Q09 (Plan)
Developmental/Operational Test 3Q09 (Plan)
Limited User Assessment 4Q09 (Plan)
Milestone C 3Q010 (Plan)
Production Contract 4Q10 (Plan)
First Unit Equipped 4Q10 (Plan)

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	To Complete	Totals	
																		FY 2012
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION: Installed by troops ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 2 months
 Contract Dates: FY 2008 - FY 2009 - FY 2010 - Jul 10
 Delivery Dates: FY 2008 - FY 2009 - FY 2010 - Aug 10

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Suppressors [MOD 4] TBD4

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
Kit Quantity									2160		3080		2950		3030				11220	
Hardware									2.6		3.7		3.6		3.7					13.6
Engineering Support									0.2		0.2		0.3		0.2					0.9
Integrated Logistical Support									0.1		0.1		0.1		0.1					0.4
Total Package Fielding											0.1		0.1		0.1					0.3
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 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	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		0.0		0.0		0.0		2.9		4.1		4.1		4.1		0.0		15.2

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Rapid Fielding Initiative [MOD 5] TBD5

MODELS OF SYSTEM AFFECTED: M4 Carbine (5.56mm)

DESCRIPTION / JUSTIFICATION:

In support of the Global War on Terrorism, the Rapid Fielding Initiative (RFI) provides deploying Soldiers with new equipment to upgrade existing equipment or replace worn-out equipment. RFI provides funds to procure and support, items such as close combat optics, magnified optics, tactical weapon lights, bipods, forward grips, cleaning kits, improved buttstocks, and slings.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

Pr Yr	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs																				
Outputs																				

FY 2012	FY 2013				FY 2014				FY 2015				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION: Installed by Troops ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 2 months
 Contract Dates: FY 2008 - Jan 08 FY 2009 - FY 2010 -
 Delivery Dates: FY 2008 - Feb 08 FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Rapid Fielding Initiative [MOD 5] TBD5

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Multiple Items		192.5		18.3		0.7															211.5
Engineering Support		23.1		0.3		0.1															23.5
Integrated Logistic Support		1.9		0.1																	2.0
Fielding		2.0		0.1		0.1															2.2
Engineering Study		0.1																			0.1
Interim Contractor Support		3.3		0.1																	3.4
Installation of Hardware																					
FY 2006 & Prior Equip -- Kits																					
FY 2007 -- Kits																					
FY 2008 Equip -- Kits																					
FY 2009 Equip -- Kits																					
FY 2010 Equip -- Kits																					
FY 2011 Equip -- Kits																					
FY 2012 Equip -- Kits																					
FY 2013 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	0.0	0	0.0	0	0.0	0	0.0	0.0
Total Procurement Cost		222.9		18.9		0.9		0.0		0.0		0.0		0.0		0.0		0.0		0.0	242.7

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
M2 50 Cal Machine Gun MODS (GB4000)

Program Elements for Code B Items:
604601A S63

Code:
B

Other Related Program Elements:
0604601A S58

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	13.3	6.0	17.1							36.4
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	13.3	6.0	17.1							36.4
Initial Spares										
Total Proc Cost	13.3	6.0	17.1							36.4
Flyaway U/C										
Weapon System Proc U/C										

Description:
The M2A1 Quick Change Barrel (QCB) Kit provides enhancements for the .50 Caliber M2 Heavy Barrel Machine Gun to provide the Soldier with the ability to quickly change the barrel without the need to reset the headspace and timing and reduce the visible muzzle flash. The M2A1 QCB Kit will be added to the current M2 on a one for one basis. Also provides other ancillary equipment such as the M3 Tripod and improved sighting systems.

Justification:
FY2009 has no funding.

FY2007 funding total includes \$6.000 million received in GWOT supplemental.
FY2008 funding totals do not include \$9.000 million previously requested for current FY2008 GWOT requirements.

Exhibit P-40M, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
M2 50 Cal Machine Gun MODS (GB4000)

Program Elements for Code B Items:
604601A S63

Code:
B

Other Related Program Elements:
0604601A S58

Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total
M2A1 QUICK CHANGE BARREL KIT											
TBD1	Operational	13.3	6.0	17.1	0.0	0.0	0.0	0.0	0.0	0.0	36.4
Totals		13.3	6.0	17.1	0.0	0.0	0.0	0.0	0.0	0.0	36.4

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: M2A1 QUICK CHANGE BARREL KIT [MOD 1] TBD1

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

The M2A1 Quick Change Barrel Kit provides enhancements for the .50 Caliber M2 Heavy Barrel Machine Gun to provide the Soldier with the ability to quickly change the barrel without the need to reset the headspace and timing and to reduce the visible muzzle flash.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

User Assessment 3Q08 (Planned)
 Type Classification - Standard 2Q09 (Planned)
 First Unit Equipped 4Q09 (Planned)

Installation Schedule

Pr Yr	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals									2665								1500	943		
Inputs																				
Outputs												222								

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals		
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Inputs																				2665
Outputs																				2665

METHOD OF IMPLEMENTATION: Depot Installed ADMINISTRATIVE LEADTIME: 7 months PRODUCTION LEADTIME: 5 months
 Contract Dates: FY 2008 - May 2009 FY 2009 - FY 2010 -
 Delivery Dates: FY 2008 - Sep 2009 FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): M2A1 QUICK CHANGE BARREL KIT [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
RDT&E																						
Procurement																						
Kit Quantity					2665															2665		
Hardware						16.0															16.0	
Ancillary Equipment	50732	12.1	6979	5.8																57711	17.9	
Engineering Support		0.3		0.1		0.8															1.2	
Testing		0.1				0.1															0.2	
Integrated Logistics Support		0.4				0.1															0.5	
Fielding		0.4		0.1		0.1															0.6	
Installation of Hardware																						
FY 2006 & Prior Ancillary Equip																						
FY 2007 -- Ancillary Equip																						
FY 2008 Equip -- Kits							222		2443											2665		
FY 2009 Equip -- Kits																						
FY 2010 Equip -- Kits																						
FY 2011 Equip -- Kits																						
FY 2012 Equip -- Kits																						
FY 2013 Equip -- Kits																						
TC Equip- Kits																						
Total Installment	0	0.0	0	0.0	0	0.0	222	0.0	2443	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2665	0.0
Total Procurement Cost		13.3		6.0		17.1		0.0		0.0		0.0		0.0		0.0		0.0		0.0		36.4

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles
 P-1 Item Nomenclature: M249 SAW Machine Gun MODS (GZ1290)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	84.9	18.8	18.8	7.1	8.0	6.1	5.2	5.3		154.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	84.9	18.8	18.8	7.1	8.0	6.1	5.2	5.3		154.1
Initial Spares										
Total Proc Cost	84.9	18.8	18.8	7.1	8.0	6.1	5.2	5.3		154.1
Flyaway U/C										
Weapon System Proc U/C										

Description:
 The M249 Squad Automatic Weapon (SAW) is a 5.56mm, lightweight machine gun that can be utilized in either the automatic rifle role or light machine gun role. Various system enhancements have been identified that improve the use of this weapon system. These include the addition of a feedtray cover rail and forward rail assemblies. The addition of these rails provides a MIL-STD-1913 interface allowing the mounting of standard military optics and other target designation devices directly to the machine gun. Improved components include an improved collapsible buttstock, improved bipod and 200-round ammunition pack. Other items being procured to enhance Soldier performance include a Light Weight Ground Mount, Short Barrel, Short Barrel Blank Firing Attachment, Improved Sling Assembly and an improved combat optic. In support of Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF) additional items (such as pistol grips, rail covers, 100 round ammo packs, spare barrel bags, etc.) are being procured for the Rapid Fielding Initiative (RFI). The RFI provides new equipment to units deployed.

Justification:
 FY 2009 procures Improved Bipods, Improved Collapsible Buttstocks, Light Weight Ground Mounts, 200 Round Soft Pack Magazine/Barrel Bags/Sling Assembly and improved combat optics. The Improved Bipod is stronger than the existing bipod. It allows the Soldier better adjustability and is compatible with the accessory rail kit. The Improved Collapsible Buttstock provides the Soldier improved ergonomics resulting in greater target acquisition. The M192 Light Weight Ground Mount, which weighs 11.4 pounds, will reduce the Soldier's combat load weight by 6.4 pounds. It will incorporate a modern traverse and elevating mechanism that will maintain predetermined elevation throughout the full range of weapon traverse, as well as contain a series of index marks that will enable gunners to construct a range data card. The combat optic will provide the Soldier with an improved capability to identify and engage targets at long ranges.

FY2007 funding total includes \$13.556 million received in GWOT supplemental.
 FY2008 funding total includes \$6.500 million received in the Consolidated Appropriations Act, 2008 (P.L. 110-161).
 FY2008 funding totals do not include \$7.056 million previously requested for current FY2008 GWOT requirements.

Exhibit P-40M, Budget Item Justification Sheet											Date: February 2008		
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles						P-1 Item Nomenclature M249 SAW Machine Gun MODS (GZ1290)							
Program Elements for Code B Items:								Code:		Other Related Program Elements:			
Description		Fiscal Years											
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total		
M249 Rails/Bipod/Handguard													
TBD1	Operational	15.2	0.3	1.7	1.6	1.7	1.0	0.0	0.0	0.0	21.5		
M249 Short Barrel/Coll Buttstock/Heatshield													
TBD2	Operational	23.4	1.4	9.6	2.8	2.4	2.5	0.8	0.8	0.0	43.7		
Light Weight Ground Mount													
TBD3	Operational	10.4	5.3	5.4	1.8	3.0	1.4	2.4	2.5	0.0	32.2		
Rapid Fielding Initiative													
TBD4	Operational	23.4	11.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	35.0		
200rd Soft Pack Mag/Barrel Bag/Sling Assembly													
TBD5	Operational	3.8	0.6	1.7	0.9	0.9	1.1	2.0	2.0	0.0	13.0		
Closed Mods													
TBD6		8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7		
Totals		84.9	18.8	18.8	7.1	8.0	6.0	5.2	5.3	0.0	154.1		

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): M249 Rails/Bipod/Handguard [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Quantity (Various Components)	198995		2342		15000		11500		11500		10017								249354	
Hardware		12.1		0.2		1.3		1.0		1.1		0.8								16.5
Engineering Support		2.3		0.1		0.3		0.5		0.5		0.1								3.8
Integrated Logistical Support		0.5				0.1		0.1		0.1		0.1								0.9
Fielding		0.3																		0.3
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 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	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		15.2		0.3		1.7		1.6		1.7		1.0		0.0		0.0		0.0		21.5

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): M249 Short Barrel/Coll Buttstock/Heatshield [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RD&E																			
Procurement																				
Quantity (Various Components)	59079		10500		32948		18000		13500		13400		12000		12000				171427	
Hardware		21.1		1.1		8.9		2.1		1.7		1.7		0.7		0.7				38.0
Engineering Support		1.9		0.2		0.6		0.6		0.6		0.7		0.1		0.1				4.8
Integrated Logistical Support		0.2		0.1		0.1		0.1		0.1		0.1								0.7
Fielding		0.2																		0.2
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 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	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		23.4		1.4		9.6		2.8		2.4		2.5		0.8		0.8		0.0		43.7

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Light Weight Ground Mount [MOD 3] TBD3

MODELS OF SYSTEM AFFECTED: M249 Squad Automatic Weapon, Light Machine Gun

DESCRIPTION / JUSTIFICATION:
 The Light Weight Ground Mount will reduce the weight of the current tripod by approximately 7 lbs. It will incorporate a modern traverse and elevating mechanism that will maintain predetermined elevation throughout the full range of weapon traverse, as well as contain a series of index marks that will enable gunners to construct a range data card.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):
 Developmental/Operational Test 3Q03 (Actual)
 Type Classification (LRP) 2Q04 (Actual)
 Production Contract Award 2Q04 (Actual)
 First Production Hardware Delivered 2Q05 (Actual)
 First Unit Equipped 3Q05 (Actual)

Installation Schedule

Pr Yr	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

Pr Yr	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 9 months
 Contract Dates: FY 2008 - 31 Mar 08 FY 2009 - 31 Mar 09 FY 2010 - 31 Mar 10
 Delivery Dates: FY 2008 - 31 Jan 09 FY 2009 - 30 Nov 09 FY 2010 - 30 Jun 10

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Light Weight Ground Mount [MOD 3] TBD3

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Quantity	5557		4222		3400		1000		1800		700		1400		1400				19479	
Hardware		9.1		5.0		4.8		1.4		2.5		1.0		2.1		2.1				28.0
Engineering Support		0.9		0.2		0.5		0.3		0.4		0.3		0.2		0.3				3.1
Testing		0.1																		0.1
Integrated Logistical Support		0.2		0.1		0.1		0.1		0.1		0.1		0.1		0.1				0.9
Fielding		0.1																		0.1
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 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	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		10.4		5.3		5.4		1.8		3.0		1.4		2.4		2.5		0.0		32.2

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Rapid Fielding Initiative [MOD 4] TBD4

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

Funds the following items under the Rapid Fielding Initiative: Pistol Grips, Rail Covers, Accessory Rail Kits, Ammo Packs, Short Barrels, Short Barrel Blank Firing Attachments, Collapsible Buttstocks and improved combat optics.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

Pr Yr	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 10 months
 Contract Dates: FY 2008 - 31 Mar 08 FY 2009 - FY 2010 -
 Delivery Dates: FY 2008 - 31 Dec 08 FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Rapid Fielding Initiative [MOD 4] TBD4

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
	RDT&E																					
Procurement																						
Quantity (Various Components)	68213		73263		6000																147476	
Hardware		19.4		10.5		0.4																30.3
Engineering Support		3.0		0.6																		3.6
Testing		0.2																				0.2
Integrated Logistical Support		0.3		0.1																		0.4
Fielding		0.2																				0.2
Engineering Study		0.3																				0.3
Installation of Hardware																						
FY 2006 & Prior Equip -- Kits																						
FY 2007 Equip -- Kits																						
FY 2008 Equip -- Kits																						
FY 2009 Equip -- Kits																						
FY 2010 Equip -- Kits																						
FY 2011 Equip -- Kits																						
FY 2012 Equip -- Kits																						
FY 2013 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	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		23.4		11.2		0.4		0.0		0.0		0.0		0.0		0.0		0.0		0.0		35.0

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: 200rd Soft Pack Mag/Barrel Bag/Sling Assembly [MOD 5] TBD5

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

The 200-Round Soft Pack Magazine provides quiet operation and easy reloading with a 200 round capacity. The M249 Sling Assembly provides improved durability, easier adjustability, improved human factors and improved quick detach buckles. The Dovetail Support strengthens the magazine/weapon interface preventing unintended detaching of the magazine during rough handling. The improved Barrel Bag provides superior durability to withstand hot barrels and improved carry capacity.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Approved For Production 4Q05 (Actual)
 Production Contract Award 3Q06 (Actual)
 First Production Hardware Delivered 4Q06 (Actual)
 First Unit Equipped 1Q07 (Actual)

Installation Schedule

Pr Yr	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

1	FY 2012			FY 2013			FY 2014			FY 2015			To Complete	Totals
	2	3	4	1	2	3	4	1	2	3	4			
Inputs														
Outputs														

METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 9 months
 Contract Dates: FY 2008 - 31 Mar 08 FY 2009 - 31 Mar 09 FY 2010 - 31 Mar 10
 Delivery Dates: FY 2008 - 30 Nov 08 FY 2009 - 30 Nov 09 FY 2010 - 31 Dec 10

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): 200rd Soft Pack Mag/Barrel Bag/Sling Assembly [MOD 5] TBD5

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Quantity	39770		10000		35000		20000		20000		21000		27500		27000				200270	
Hardware		3.2		0.4		1.5		0.8		0.8		1.0		1.7		1.7				11.1
Engineering Support		0.5		0.2		0.2		0.1		0.1		0.1		0.3		0.3				1.8
Integrated Logistical Support		0.1																		0.1
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 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	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		3.8		0.6		1.7		0.9		0.9		1.1		2.0		2.0		0.0		13.0

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles
 P-1 Item Nomenclature: M240 Medium Machine Gun MODS (GZ1300)

Program Elements for Code B Items: Code: A Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	59.3	8.9	11.6	21.1	17.4	14.9	14.2	5.0		152.4
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	59.3	8.9	11.6	21.1	17.4	14.9	14.2	5.0		152.4
Initial Spares										
Total Proc Cost	59.3	8.9	11.6	21.1	17.4	14.9	14.2	5.0		152.4
Flyaway U/C										
Weapon System Proc U/C										

Description:
 The M240B Medium Machine Gun is an infantry version of the M240 Armored Machine Gun used to replace the M60 Series Machine Gun in light infantry, mechanized infantry, armor, rangers, special forces, and select combat engineer units. Since the initial fielding of the M240B, various system enhancements have been identified that further improves the use of this weapon system by increasing functionality and performance capabilities, while improving training capability. These include adopting a forward rail system to mount ancillary sighting/night vision equipment, an accessory ammunition pouch, a spare barrel bag to transport and store overheated barrels, and an improved Light Weight Ground Mount. Additional enhancements include improved buttstock, bipod, sling, flash suppressor, short barrel, combat ammo pack, and collapsible buttstock. In support of Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF) additional items are being procured for the Rapid Fielding Initiative (RFI). The RFI provides new equipment to units being deployed, to include M122A1 Tripods and Adapters, M240B Forward Rail Kits, M192 Light Weight Ground Mounts, Short Barrels, and M240 Spare Barrel Bags.

Justification:
 FY 2009 procures M192 Light Weight Ground Mounts for the M240B Medium Machine Gun. M192 Light Weight Ground Mounts, which weigh 11.4 lbs., will reduce the Soldier's combat load weight by 6.4 lbs. It will incorporate a modern traverse and elevating mechanism that will maintain predetermined elevation throughout the full range of weapon traverse, as well as contain a series of index marks that enable gunners to construct a range data card. Additional system enhancements identified by fielded units to further improve the reliability and functionality of this weapon system. These include improved slings, improved bipods, short barrels, collapsible buttstocks, and combat ammo packs.

FY2007 funding total includes \$3.591 million received in GWOT supplemental.
 FY2008 funding totals do not include \$3.271 million previously requested for current FY2008 GWOT requirements.

Exhibit P-40M, Budget Item Justification Sheet										Date: February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles					P-1 Item Nomenclature M240 Medium Machine Gun MODS (GZ1300)						
Program Elements for Code B Items:								Code: A		Other Related Program Elements:	
Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total
M240B System Improvements											
TBD1		11.4	1.3	8.5	15.5	11.6	10.7	14.2	5.0	0.0	78.2
M192 Light Weight Ground Mount											
TBD2		31.8	7.4	2.9	5.6	5.8	4.2	0.0	0.0	0.0	57.7
Rapid Fielding Initiative											
TBD3		7.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Closed Mods											
NA		8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2
Totals		59.3	8.9	11.6	21.1	17.4	14.9	14.2	5.0	0.0	152.4

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: M240B System Improvements [MOD 1] TBD1

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

The M240B Medium Machine Gun is an infantry version of the M240 Armored Machine Gun used to replace the M60 Series Machine Gun in Light Infantry, Mechanized Infantry, Armor, Rangers, Special Forces and select Combat Engineer units. The U.S. Army has identified a need to upgrade its current inventory of 7.62mm Medium Machine Guns in order to provide the dismounted infantryman a more reliable, accurate, and lethal medium machine gun to suppress and destroy enemy personnel, lightly armored vehicles, and fortified positions. System enhancements have been identified by fielded units to further improve the reliability of this weapon system. These include adopting a forward rail system to mount ancillary sighting/night vision equipment, providing an accessory ammunition pouch to improve forward assault fire capability, and an improved Blank Firing Adaptor to support increased training requirements. Additional enhancements include improved buttstock, bipod, sling, flash suppressor, short barrel, and collapsible buttstock.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Production Contract Award Aug 01 (Actual)
 First Production Hardware Delivered Jan 02(Actual)
 First Unit Equipped Feb 02 (Actual)

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

1	2	3	4	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: Field Applications **ADMINISTRATIVE LEADTIME:** 5 months **PRODUCTION LEADTIME:** 8 months
 Contract Dates: FY 2008 - 31 Mar 08 FY 2009 - 31 Mar 09 FY 2010 - 31 Mar 10
 Delivery Dates: FY 2008 - 30 Oct 08 FY 2009 - 30 Oct 09 FY 2010 - 30 Oct 10

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): M240B System Improvements [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Quantity	35945		17139		45355		51724		32797		20991		17216		4950				226117	
Hardware		10.6		1.0		8.3		15.2		11.2		10.3		13.6		4.8				75.0
Engineering Support		0.4		0.2		0.1		0.1		0.2		0.1		0.3		0.1				1.5
Integrated Logistical Support				0.1		0.1		0.1		0.1		0.1		0.1		0.1				0.7
Fielding		0.4						0.1		0.1		0.2		0.2						1.0
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 Equip -- Kits																				
TC Equip																				
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		11.4		1.3		8.5		15.5		11.6		10.7		14.2		5.0		0.0		78.2

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: M192 Light Weight Ground Mount [MOD 2] TBD2

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

The M192 Light Weight Ground Mount will reduce the weight of the current M122A1 tripod by approximately 50 percent. It will incorporate a modern traverse and elevating mechanism that will maintain predetermined elevation throughout the full range of weapon traverse, as well as contain a series of index marks that will enable gunners to construct a range data card.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Development/Operational Tests 3Q-4Q FY03 (Actual)
 Type Classification (STD) 2Q FY04 (Actual)
 Production Contract Award 2Q FY04 (Actual)
 First Production Hardware Delivered 2Q FY05 (Actual)
 First Unit Equipped 3Q FY05 (Actual)

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	To Complete	Totals	
																		FY 2012
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION: Field Applications ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 12 months
 Contract Dates: FY 2008 - 30 Jan 08 FY 2009 - 30 Jan 09 FY 2010 - 30 Jan 10
 Delivery Dates: FY 2008 - 30 Dec 08 FY 2009 - 30 Dec 09 FY 2010 - 30 Dec 10

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): M192 Light Weight Ground Mount [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
M192 Ground Mount	29732	29.3	6497	7.1	958	1.2	4000	5.4	4000	5.6	2792	4.0							47979	52.6
M192 Ground Mount-GTA					1000	1.2													1000	1.2
Engineering Support		1.7		0.1		0.3		0.1		0.1		0.1								2.4
Testing		0.2																		0.2
Integrated Logistical Support		0.3				0.1														0.4
Fielding		0.2		0.1		0.1		0.1		0.1		0.1								0.7
New Equipment Training		0.1		0.1																0.2
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 Equip -- Kits																				
TC Equip																				
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		31.8		7.4		2.9		5.6		5.8		4.2		0.0		0.0		0.0		57.7

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Rapid Fielding Initiative [MOD 3] TBD3

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

These funds the following items under the Rapid Fielding Initiative: M122A1 Tripods, M122A1 Tripod Adapters, M240B Forward Rail Kits, M192 Light Weight Ground Mounts, Short Barrels, M240 Spare Barrel Bags.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

Pr Yr	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: Field Applications ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 7 months
 Contract Dates: FY 2008 - 31 Mar 08 FY 2009 - FY 2010 -
 Delivery Dates: FY 2008 - 30 Sep 08 FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Rapid Fielding Initiative [MOD 3] TBD3

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Quantity (Various Components)	122		118		114														354	
Hardware		6.4		0.2		0.2														6.8
Engineering Support		1.0																		1.0
Integrated Logistical Support		0.1																		0.1
Testing		0.2																		0.2
Studies		0.2																		0.2
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 Equip -- Kits																				
TC Equip																				
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		7.9		0.2		0.2		0.0		0.0		0.0		0.0		0.0		0.0		8.3

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles
 P-1 Item Nomenclature: PHALANX MODS (GL1000)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty		16								16
Gross Cost	214.1	150.0								364.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	214.1	150.0								364.1
Initial Spares										
Total Proc Cost	214.1	150.0								364.1
Flyaway U/C										
Weapon System Proc U/C		9.4								9.4

Description:
 The Phalanx gun is part of the Counter-Rocket, Artillery and Mortar (C-RAM) system. The primary mission of the C-RAM program is to develop, procure, field and maintain a system of systems that can detect rocket, artillery or mortar launches; warn the defended area with sufficient time for personnel to take cover; intercept rounds in flight, thus preventing damage to ground forces or facilities; and enhance response to and defeat of enemy forces. C-RAM utilizes a system of systems (SoS) approach, and is comprised of a combination of multi-service fielded and non-developmental item (NDI) sensors, command and control (C2) systems and a modified U.S. Navy intercept system, with a low cost commercial off-the-shelf (COTS) warning system and wireless local area network. The system will be fielded to various fixed sites, providing them correlated air and ground pictures and linking them to the Army Battle Command System (ABCS) and the Joint Defense Network (JDN), via various forms of communications, to provide situational awareness and exchange of timely and accurate information to synchronize and optimize automated Shape, Sense, Warn, Intercept, Respond and Protect decisions. The current Intercept capability is provided by Land-Based Phalanx Weapon Systems (LPWS) (a Navy Phalanx gun system mounted on a trailer). The LPWS are procured from the Navy, modified by a Navy contractor, and supported by Navy logistical services.

Justification:
 FY2009 has no funding.
 FY2007 funding total includes \$150.000 million received in GWOT supplemental.
 FY2008 funding totals do not include \$150.000 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: PHALANX MODS (GL1000)	Weapon System Type:	Date: February 2008
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WTCV Cost Elements	ID	FY 07			FY 08			FY 09		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. System Integration/ Hardware		150000	16	9375						
Total:		150000								

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: PHALANX MODS (GL1000)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. System Integration/ Hardware FY 2007	PM Phalanx/Raytheon, Tucson AZ Tucson AZ	MIPR	Tucson, AZ	Jun 07	Dec 07	16	9375	N	N/A	N/A

REMARKS: Remarks: Procured through MIPR to Navy PM Phalanx.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
M119 MODIFICATIONS (GC0401)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	33.5	0.7	1.8	1.0	1.0	1.1	1.1	1.1		41.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	33.5	0.7	1.8	1.0	1.0	1.1	1.1	1.1		41.3
Initial Spares										
Total Proc Cost	33.5	0.7	1.8	1.0	1.0	1.1	1.1	1.1		41.3
Flyaway U/C										
Weapon System Proc U/C										

Description:

The 105MM M119A1 Light Towed Howitzer was selected as the weapon of choice for the light forces because it was a nondevelopmental item (NDI) with growth potential for modernization needs. Funding in the M119 Modifications budget is in support of the application of modernization system enhancements, and includes a Light Artillery System Improvement Plan (LASIP) and a LASIP Block II. Beginning in FY 91, 425 M119A1 howitzers have been fielded. The Light Artillery System Improvement Plan (LASIP) modernization effort corrects known deficiencies, improves reliability, availability and maintainability (RAM), and provides minor operational enhancements. The LASIP Block II program completed the upgrade of 353 howitzers to M119A2. The modification program has completed upgrade of all fielded howitzers and 6 reserve cycle floats to address system washouts.

Justification:

FY 2009 procures M119 modifications which support current operations.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
M16 RIFLE MODS (GZ2800)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	129.9	3.0	5.9	1.2	4.3	4.0	3.6	3.5		155.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	129.9	3.0	5.9	1.2	4.3	4.0	3.6	3.5		155.3
Initial Spares										
Total Proc Cost	129.9	3.0	5.9	1.2	4.3	4.0	3.6	3.5		155.3
Flyaway U/C										
Weapon System Proc U/C										

Description:

The M16 Rifle Modifications Program provides a Combat Optic and a Modular Weapon System (MWS) suite for the M16A2 and the M16A4 Rifles. The MWS includes a rail system, a flashlight mount, a quick attach bracket kit for the M203 Grenade Launcher, and back-up iron sight for the M16A4 Rifle. Based on mission requirements the MWS allows the custom configuration of M16 Rifles with accessories and smaller items, i.e., optics, night sights, and laser pointers.

Justification:

FY 2009 procures M16 Modular Weapon Systems (MWS), and Improved Combat Optics. The MWS is a key component of the individual Soldier lethality and allows the combat commander to custom configure weapons with various accessories based upon the mission. The Improved Combat Optics will enhance the capability to identify and engage targets from 300 to 600m for long-range first round hit. This system will not degrade the Soldier's ability to conduct reflexive fire techniques and will allow for the Soldier to transition rapidly between long-range engagements and close quarters engagements. In support of Operation Iraqi Freedom (OIF) and Operations Enduring Freedom (OEF) additional items are being procured for the Rapid Fielding Initiative (RFI). The RFI provides new equipment to units being deployed. These items include the close combat optic, powered optics, magazines, bipods, cleaning kits, and slings.

FY2007 funding total includes \$1.947 million received in GWOT supplemental.

FY2008 funding total includes \$1.845 million received in the Consolidated Appropriations Act, 2008 (P.L. 110-161).

Exhibit P-40M, Budget Item Justification Sheet											Date: February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles						P-1 Item Nomenclature M16 RIFLE MODS (GZ2800)						
Program Elements for Code B Items:								Code:		Other Related Program Elements:		
Description			Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total	
Modular Weapon System M16/M203												
TBD1	Operational	35.4	0.4	0.9	1.1	0.9	0.9	0.8	0.9	0.0	41.3	
Combat Optics												
TBD2	Operational	0.0	2.6	5.0	0.1	3.4	3.1	2.7	2.6	0.0	19.5	
Closed Mods												
TBD3		94.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.5	
Totals		129.9	3.0	5.9	1.2	4.3	4.0	3.5	3.5	0.0	155.3	

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Modular Weapon System M16/M203 [MOD 1] TBD1

MODELS OF SYSTEM AFFECTED: Rifle, 5.56mm M16A4

DESCRIPTION / JUSTIFICATION:
 The M16 Modular Weapon System (MWS) is a system of mounting rails/methods that allows the custom configuration of M16 Rifles with accessories and ancillary items such as optics, night sights, infrared aiming lights, and grenade launchers. The MWS includes the adapter rail system, close quarters battle kit, sling, back-up iron sight, and weapon flashlight mount.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):
 Developmental/Operational Tests 3Q95/2Q96 (Actual)
 Milestone III Production Decision 3Q97 (Actual)
 Production Contract Award 4Q97 (Actual)
 First Production Hardware Delivered 4Q98 (Actual)
 First Unit Equipped 2Q99 (Actual)

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

Pr Yr Totals	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION: Installed by Troops ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 2 months
 Contract Dates: FY 2008 - Jan 08 FY 2009 - Jan 09 FY 2010 - Jan 10
 Delivery Dates: FY 2008 - Feb 08 FY 2009 - Feb 09 FY 2010 - Feb 10

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Modular Weapon System M16/M203 [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RD&E																				
Procurement																				
Quantity (Rail Systems Only)	44446						500		500		500		500		500				46946	
Quantity (Other Components)			4065		9000		9000		6500		6500		6500		6500				48065	
Hardware		32.7		0.3		0.8		1.0		0.8		0.8		0.7		0.8				37.9
Engineering Support		1.5		0.1		0.1		0.1		0.1		0.1		0.1		0.1				2.2
Testing		0.1																		0.1
Integrated Logistical Support		0.4																		0.4
Fielding		0.6																		0.6
Engineering Study		0.1																		0.1
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 Equip -- Kits																				
TC Other Equip- Kits																				
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		35.4		0.4		0.9		1.1		0.9		0.9		0.8		0.9		0.0		41.3

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Combat Optics [MOD 2] TBD2

MODELS OF SYSTEM AFFECTED: Rifle, 5.56mm M16A4

DESCRIPTION / JUSTIFICATION:

Several new combat optics are being evaluated with Research, Development, Test and Evaluation (RDTE) funds. The selected combat optic will provide an improved capability to identify and engage targets from 300 to 600m (M4/M16) enhancing long-range first round hit. This system will not degrade the Soldier's ability to conduct reflexive fire techniques and will allow for the Soldier to transition rapidly between long-range engagements and close quarters engagements.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Milestone B 2Q07(Actual)
 Developmental/Operational Test 1Q08 (Plan)
 Milestone C 2Q08 (Plan)
 First Unit Equipped 3Q08(Plan)

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	To Complete	Totals	
																		FY 2012
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION: Installed by troops ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 2 months
 Contract Dates: FY 2008 - May 08 FY 2009 - Jan 09 FY 2010 - Jan 10
 Delivery Dates: FY 2008 - Jun 08 FY 2009 - Feb 09 FY 2010 - Feb 10

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Combat Optics [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
Kit Quantity			3512		6053				4258		3846		3475		3200				24344	
Hardware				2.2		4.7				3.1		2.8		2.4		2.3				17.5
Engineering Support				0.2		0.1		0.1		0.1		0.1		0.1		0.1				0.8
Integrated Logistical Support				0.1		0.1				0.1		0.1		0.1		0.1				0.6
Total Package Fielding				0.1		0.1				0.1		0.1		0.1		0.1				0.6
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 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	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		2.6		5.0		0.1		3.4		3.1		2.7		2.6		0.0		19.5

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) (GC0925)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	124.5	23.6	9.8	3.8	6.3	6.3	3.1	3.2		180.5
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	124.5	23.6	9.8	3.8	6.3	6.3	3.1	3.2		180.5
Initial Spares										
Total Proc Cost	124.5	23.6	9.8	3.8	6.3	6.3	3.1	3.2		180.5
Flyaway U/C										
Weapon System Proc U/C										

Description:

This program procures modifications of weapons with a cost less than \$5.0 million to specifically include the M145 Machine Gun Optic Sights and an improved combat optic. The M145 Machine Gun Optic Program provides a 3.4x, laser-hardened telescopic sight for the 7.62mm M240B Medium Machine Gun and 5.56mm M249 Light Machine Gun. The optic sight will allow the Soldier to identify and engage targets at longer ranges and at lower light levels more effectively than the existing iron sighting system. The optic sight also provides the Soldier with a greater hit probability.

Justification:

FY 2009 procures M145 Machine Gun Optic Sights and improved combat optics for the M240B and M249 Machine Guns. The optic sight will allow the Soldier to identify and engage targets more effectively than the existing iron sighting system. In support of Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF), additional items are being procured for the Rapid Fielding Initiative (RFI). The RFI provides new equipment to deploying units.

FY2007 funding total includes \$21.900 million received in GWOT supplemental.

FY2008 funding total includes \$7.000 million received in the Consolidated Appropriations Act, 2008 (P.L. 110-161).

FY2008 funding totals do not include \$14.454 million previously requested for current FY2008 GWOT requirements.

Exhibit P-40M, Budget Item Justification Sheet											Date: February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles						P-1 Item Nomenclature MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) (GC0925)						
Program Elements for Code B Items:								Code: A		Other Related Program Elements:		
Description			Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total	
M145 Machine Gun Optic												
TBD1	Operational	19.4	1.6	2.6	3.8	6.3	6.2	3.1	3.2	0.0	46.2	
Rapid Fielding Initiative												
TBD2	Operational	20.6	22.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	49.8	
Closed Mods												
TBD3		84.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.5	
Totals		124.5	23.6	9.8	3.8	6.3	6.2	3.1	3.2	0.0	180.5	

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INDIVIDUAL MODIFICATION Date: February 2008

MODIFICATION TITLE: M145 Machine Gun Optic [MOD 1] TBD1

MODELS OF SYSTEM AFFECTED: M240B Machine Gun, M249 Light Machine Gun

DESCRIPTION / JUSTIFICATION:
 The M145 Machine Gun Optic Program provides a 3.4x, laser hardened telescopic sight for the 7.62mm M240B Medium Machine Gun and 5.56mm M249 Light Machine Gun. The optic sight will allow the Soldier to identify and engage targets at longer ranges and at lower light levels more effectively than the existing iron sighting system. The optic sight also provides the Soldier with a greater hit probability.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):
 Developmental/Operational Test 3Q98 (Actual)
 Type Classification (LRP) 4Q98 (Actual)
 Production Contract Award 4Q98 (Actual)
 First Production Hardware Delivered 4Q99 (Actual)
 Type Classification (Standard) 1Q00 (Actual)
 First Unit Equipped 2Q00 (Actual)

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION: Troop Installation ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 4 months
 Contract Dates: FY 2008 - Jan 08 FY 2009 - Jan 09 FY 2010 - Jan 10
 Delivery Dates: FY 2008 - Apr 08 FY 2009 - Apr 09 FY 2010 - Apr 10

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): M145 Machine Gun Optic [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Quantity	27315		1306		2645		5421		7843		7660		3255		3101				58546	
Hardware		16.5		1.1		2.0		3.6		5.5		5.5		2.5		2.5				39.2
Engineering Support		1.9		0.5		0.5		0.2		0.6		0.5		0.4		0.5				5.1
Testing		0.7																		0.7
Integrated Logistical Support		0.1				0.1				0.1		0.1		0.1		0.1				0.6
Fielding		0.2								0.1		0.1		0.1		0.1				0.6
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY2007 -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 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	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		19.4		1.6		2.6		3.8		6.3		6.2		3.1		3.2		0.0		46.2

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE: Rapid Fielding Initiative [MOD 2] TBD2

MODELS OF SYSTEM AFFECTED: M249 Squad Automatic Weapon (Short Barrel)

DESCRIPTION / JUSTIFICATION:
This funds the M145 Machine Gun Optic and an improved combat optic under the Rapid Fielding Initiative.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

1	2	3	4	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: Troop Installation ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 4 months
 Contract Dates: FY 2008 - Jan 08 FY 2009 - FY 2010 -
 Delivery Dates: FY 2008 - Apr 08 FY 2009 - FY 2010 -

INDIVIDUAL MODIFICATION

Date: February 2008

MODIFICATION TITLE (cont): Rapid Fielding Initiative [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Quantity	27424		26459		8557														62440	
Installation Kits																				
Installation Kits, Nonrecurring																				
Hardware		17.3		21.8		7.1														46.2
Equipment, Nonrecurring																				
Engineering Support		3.0		0.1																3.1
Testing																				
Integrated Logistical Support		0.1		0.1																0.2
Fielding		0.2				0.1														0.3
Training																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 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	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		20.6		22.0		7.2		0.0		0.0		0.0		0.0		0.0		0.0		49.8

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles
 P-1 Item Nomenclature: ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)

Program Elements for Code B Items: Code: A Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty		11121	18000	6094					Continuing	Continuing
Gross Cost	91.5	7.1	7.5	2.2					Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	91.5	7.1	7.5	2.2					Continuing	Continuing
Initial Spares										
Total Proc Cost	91.5	7.1	7.5	2.2					Continuing	Continuing
Flyaway U/C										
Weapon System Proc U/C		0.0	0.0	0.0					Continuing	Continuing

Description:
 Provides for procurement of small arms, auxiliary weapon mounts, mounting platforms, and adaptors. Small arms procured under this budget activity consist of shotguns, grenade launchers, and personal defense weapons for initial buys or to meet urgent needs. Auxiliary weapon mounts, mounting platforms, and adapters include the M3 Tripod (mount for M2/MK19 Machine Guns), the Swing Arm Mount, the High Mobility Multipurpose Wheeled vehicle (HMMWV) Auxiliary Weapon Mount, the M66 cantilever Arm (mounting platforms used to mount machine guns to the frames of HMMWV's), and the MK93 Adapter. In support of Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF) additional items are being procured for the Rapid Fielding Initiative (RFI). The RFI provides new equipment to units about to be deployed.

Justification:
 FY2009 procures 9mm pistols in addition to other small arms weapons required to support Urgent Needs, Army Acquisition Objective shortages, field replacements, and training requirements.
 FY2007 funding total includes \$4.996 million received in GWOT supplemental.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000
1. M9 pistols			3436	11121	0.3	5562	18000	0.3	2000	6094	0.3
2. M3 Tripod			2998	4179	0.7						
3. Engineering Support			412			285			162		
4. Integrated Logistic Support			249			75			25		
5. Base Security / National Guard						1589					
Total:			7095			7511			2187		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. M9 pistols										
FY 2007	Beretta U.S.A. Corp. Accokeek, MD	Option	JM&L LCMC, Rock Island,IL	Jun 07	Sep 07	11121	0.3	Y		
FY 2008	Beretta U.S.A. Corp. Accokeek, MD	Option	JM&L LCMC, Rock Island,IL	Dec 07	Jun 08	18000	0.3	Y		
FY 2009	Beretta U.S.A. Corp. Accokeek, MD	Option	JM&L LCMC, Rock Island,IL	Jan 09	Jun 09	6094	0.3	Y		
2. M3 Tripod										
FY 2007		OTHER*	JM&L LCMC, Rock Island,IL	Jun 07	Dec 07	4179	0.7	Y		

REMARKS: *FFP/Supply contracts and Priced Orders

FY 07 / 08 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)	Date: February 2008
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COST ELEMENTS						Fiscal Year 07												Fiscal Year 08												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 07												Calendar Year 08												
						O C T	N O V	D E C	J A N	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	

1. M9 pistols																																				
1	FY 06 & PR	A	13	0	13																															0
1	FY 07	A	11121	0	11121																															0
1	FY 08	A	18000	0	18000																															13200
1	FY 09	A	6094	0	6094																															6094
1	FY 06 & PR	AF	15289	2250	13039	750	750	750	750	750	750	750	660		713	750	750	750	163	750	750	750	750	650	353										0	
1	FY 06 & PR	FMS	1575	0	1575									90	394	21																			0	
1	FY 07	FMS	1036	0	1036																														1022	
1	FY 08	FMS	9672	0	9672																														9672	
1	FY 07	MC	11	0	11																														0	
1	FY 07	NA	4757	0	4757																														4757	
						O C T	N O V	D E C	J A N	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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	2				
1	Beretta U.S.A. Corp., Accokeek, MD	1000	6000	21600	6	1	Initial	1	2	7	9	M9 Pistol contractor is planning to increase production capacity in July 2008 to an annual max rate of 34,800.
						1	Reorder	2	3	6	9	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 09 / 10 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)	Date: February 2008
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COST ELEMENTS						Fiscal Year 09													Fiscal Year 10													Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09													Calendar Year 10													
						O C T	N O V	D E C	J A N	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			

1. M9 pistols																																	
1	FY 06 & PR	A	13	13																													0
1	FY 07	A	11121	11121																													0
1	FY 08	A	18000	4800	13200	1650	1650	1650	1650	1650	1650	1650																					0
1	FY 09	A	6094	0	6094				A					507	507	624	1014	1014	1014	907	507												0
1	FY 06 & PR	AF	15289	15289																													0
1	FY 06 & PR	FMS	1575	1575																													0
1	FY 07	FMS	1036	14	1022			200	822																								0
1	FY 08	FMS	9672	0	9672									1000	1000	1000	1000	1000	1000	1000	1000	1672										0	
1	FY 07	MC	11	11																													0
1	FY 07	NA	4757	0	4757					750	750	750	750	750	750	257																	0
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Beretta U.S.A. Corp., Accokeek, MD	1000	6000	21600	6	1	Initial	1	2	7	9	M9 Pistol contractor is planning to increase production capacity in July 2008 to an annual max rate of 34,800.
						1	Reorder	2	3	6	9	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
PRODUCTION BASE SUPPORT (WOCV-WTCV) (GC0050)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	325.5	6.3	27.4	6.5	7.1	6.1	6.8	7.0		392.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	325.5	6.3	27.4	6.5	7.1	6.1	6.8	7.0		392.8
Initial Spares										
Total Proc Cost	325.5	6.3	27.4	6.5	7.1	6.1	6.8	7.0		392.8
Flyaway U/C										
Weapon System Proc U/C										

Description:

This program provides funding to establish, modernize, expand or replace Army-owned industrial facilities and equipment used in production and production testing of Weapons and Tracked Combat Vehicles and their components. The program also provides for the preserving, storing and disposing for facilities and equipment that are either not required for current active production or are not needed by the Army. Provisioning of Industrial Facilities (PIF) occurs at Aberdeen Test Center, MD; White Sands Missile Range, NM; and Yuma Proving Grounds, AZ; General Dynamics - Armaments and Technical Products, Saco, ME. The Layaway of Industrial Facilities (LIF) funding supports efforts at Rock Island, IL and Watervliet, NY arsenals. This program also provides funding for the Arsenal Support Program Initiative in Fiscal Year 2008. The program was previously funded under Industrial Preparedness

The PIF program supports all transition paths, and the LIF program supports the Current transition path of the Army Transformation Campaign Plan (TCP).

Justification:

FY09 funding provides for the PIF and LIF programs. The PIF funding will support upgrade and replacement of technically or economically obsolete production test instrumentation to ensure that complete and accurate test data is collected and that safety and environmental hazards are minimized. Benefits of this effort include increased test efficiencies and decreased costs and risks to Army program managers. The PIF funding will also support the repair of government owned equipment used in the production of gun barrels for small caliber weapons such as the MK19 Grenade Launcher and the M2 Machine Gun. Benefits of this effort include the ability to maintain lower unit costs for production items. The Layaway of Industrial Facilities effort preserves the Army's abilities to respond to increases in production capabilities while keeping active production costs down. The effort allows the Army to excess equipment no longer needed. Economies are derived from this effort that benefit the entire Army.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: PRODUCTION BASE SUPPORT (WOCV-WTCV) (GC0050)	Weapon System Type:	Date: February 2008
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WTCV Cost Elements	ID	FY 07			FY 08			FY 09		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
PIF		4247			4945			4841		
LIF		2059			22435			1704		
Total:		6306			27380			6545		

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles
 P-1 Item Nomenclature: PIF2 OMNIBUS (WOCV-WTCV) (GC2001)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	261.9	4.2	4.9	4.8	4.8	3.7	3.8	3.9	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc Pl	261.9	4.2	4.9	4.8	4.8	3.7	3.8	3.9	Continuing	Continuing
Initial Spares										
Total Proc Cost	261.9	4.2	4.9	4.8	4.8	3.7	3.8	3.9	Continuing	Continuing
Flyaway U/C										
Weapon System Proc U/C									Continuing	Continuing

Description:
 This program provides funding to establish, modernize, expand or replace test facilities used in production and production testing of Weapons and Tracked Combat Vehicles and their components. It sustains Army production test capabilities through upgrade and replacement of instrumentation and equipment that is technologically and/or economically obsolete. Modernization of test instrumentation and equipment provides increased automation and efficiencies, improved data quality and quantity and cost avoidances to Army Program Managers. Programmed funding will be used to upgrade or replace production test instrumentation and equipment at Aberdeen Test Center (ATC), Aberdeen Proving Ground, MD; White Sands Missile Range (WSMR), NM and Yuma Proving Ground (YPG), Yuma, AZ. This program also provides funding for the repair and refurbishment of Army-owned equipment used in the production of gun barrels for small caliber weapons. Programmed funding will be used to repair Hot and Cold Forges at General Dynamics - Armaments Technical Products, Saco, ME.

Justification:
 At ATC, FY 2009 procures instrumentation for continuous monitoring and recording communications input to and output from vehicle computers and micro-controllers; upgraded laboratory test equipment that simulates extremely harsh vibration environments that prime movers experience in the field (used for reliability and durability tests); field analysis instrumentation to test for toxic fumes and provide chemical identification analysis; replacement and upgrade of video cameras, video recorders, digital video tracking systems and telemetry systems used to assess fire control system performance; electronic diagnostic instrumentation used to troubleshoot, calibrate, set-up, and repair sensors and data acquisition equipment, which is used to acquire, store, and analyze data from production test programs; and replacement of old laboratory equipment used to analyze vehicle fuels and oils. At WSMR, FY 2009 procures upgraded instrumentation in the lightning test facility to meet the requirements of Mil-Std-464A for testing survivability and vulnerability of combat vehicles to direct and indirect lightning strikes; upgrade and replacement of equipment for electromagnetic radiation effects (EMRE) testing which determines the susceptibility and vulnerability of weapon system electronic components exposed to Radio Frequency radiation, lightning, and electrostatic discharge; upgrade to the Semiconductor Test Laboratory (STL) which characterizes electronic piece-parts (which includes complex integrated circuits such as microprocessors and user programmable devices) to determine radiation survivability and vulnerability; and upgrade to the Linear Accelerator (LINAC) - a gamma radiation pulse simulator used in dose rate testing of production based electronic components) for fault diagnosis and to increase reliability and safety. At YPG, FY 2009 procures a high speed digital imaging camera for vehicle fire control testing that will follow a direct fire projectile's flight path in lieu of using many cameras lined along the flight path; high speed digital cameras for capturing test events; development an integration of a next generation ballistic system replacing multiple, failing data acquisition systems; on-board data acquisition and recording equipment for collecting vehicle performance data in harsh desert environments; replacement of aged chemistry lab equipment used to analyze vehicle wastes and emissions; refurbishment of aging Dynamometer Vehicles and their associated load trailers used to perform power train cooling, drawbar pull measurements, towing resistance and static line pull tests; and upgraded environmental conditioning equipment at Gun Position #5 supporting vehicle fire

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehiclesP-1 Item Nomenclature
PIF2 OMNIBUS (WOCV-WTCV) (GC2001)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

control system testing.

The majority of the instrumentation being upgraded or replaced is obsolete and has met or exceeded it's economic life. This instrumentation is required to ensure complete and accurate test data is collected and safety and environmental hazards are minimized. Benefits of this project include increased test efficiencies and decreased costs and risks to Army Program Managers. FY 2009 funds will also provide for the repair and refurbishment of Hot and Cold Forges used in the production of gun barrels for the MK19 Grenade Launcher and M2 Machine Gun at General Dynamics - Armaments Technical Products, Saco, ME. The Economic advantage derived from these unique forges will benefit the Army and produce substantial long-term savings.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
LAYAWAY OF INDUSTRIAL FACILITIES (GC2100)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	63.6	2.1	22.4	1.7	2.3	2.4	3.0	3.1		100.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc PI	63.6	2.1	22.4	1.7	2.3	2.4	3.0	3.1		100.6
Initial Spares										
Total Proc Cost	63.6	2.1	22.4	1.7	2.3	2.4	3.0	3.1		100.6
Flyaway U/C										
Weapon System Proc U/C										

Description:

This budget line provides for the preservation, storage, decontamination and plant clearance requirements of industrial facilities and equipment that are no longer required to support current production at Watervliet and Rock Island Arsenals including the Arsenal Support Program Initiative (ASPI) Program.

FY09 major project efforts support footprint reduction by excessing machines and performing plant restoration on machine foundations, floors and vacated areas at Rock Island Arsenal. Efforts at Watervliet Arsenal will consist of excessing machines and performing plant restoration on required machine foundations, floors and vacated space.

Justification:

FY09 resources continue footprint reduction efforts at both Rock Island and Watervliet Arsenals. Footprint reduction programs allow the arsenals to be more efficient and reduce their operating costs. This results in lower unit cost of weapon systems production. These efforts support the Headquarters, U.S. Army Tank-Automotive Armaments Command's initiative to reduce Industrial Mobilization Capacity expenditures and avoid the cost of maintaining unneeded infrastructure.

The ASPI incentive funding in Fiscal Year 2008 is used to renovate/modernize idle and underutilized government-owned facilities to make them usable and attractive to paying commercial tenants. Congress first authorized the ASPI within the FY 2001 Defense Authorization Act (PL 106-398) and subsequently extended the program through FY 2008. The ASPI is applicable to the Rock Island Arsenal (RIA) Joint Manufacturing and Technology Center (JMTC), and Watervliet Arsenal (WVA) JMTC. The ASPI program is designed to integrate civilian commercial activity into the arsenals to reduce government operating costs by sharing overhead burdens. The benefits to the Army include overhead cost reduction, reduced facility maintenance costs, local skill retention, positive community relations, and reduction of future conveyance costs. These efforts support the Headquarters, U.S. Tank-Automotive and Armaments Command's initiative to reduce Industrial Mobilization Capacity costs and avoid unneeded infrastructure costs.

Exhibit P-40C, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
LAYAWAY OF INDUSTRIAL FACILITIES (GC2100)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

<u>Location</u>	<u>Project Title</u>	<u>Project</u>	<u>FY 07</u>	<u>FY 08</u>	<u>FY 09</u>
Rock Island Arsenal Rock Island, Illinois	Layaway of Industrial Facilities (LIF)	U7667	1.336	0.664	0.827
Watervliet ArsenalWatervliet, New York	Layaway of Industrial Facilities (LIF)	U7667	0.723	0.671	0.877
Rock Island, Arsenal Rock Island, Illinois	Arsenal Support Program Initiative (ASPI)	A7667		11.500	
Watervliet ArsenalWatervliet, New York	Arsenal Support Program Initiative (ASPI)	A7667		9.600	
	Total		2.059	22.435	1.704

Exhibit P-17, Layaway and/or Distribution							Date:
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles							P-1 Item Nomenclature LAYAWAY OF INDUSTRIAL FACILITIES (GC2100)
Project: U7667	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Funding:	1.336	0.664	0.827	1.393	1.454	2.076	2.112
Title: Layaway of Industrial Facilities (LIF)							
Description: This Fiscal Year 2009 project provides for preserving/storing/disposing of facilities/equipment in Bldg 208/212/220 which is no longer required. Funds will protect/preserve equipment/facilities not currently required for active production but retained for possible future replenishment production needs. Funds will cover packaging/crating/handling, and transportation (PCH&T) costs for moving equipment to a disposal point or storage site, decontamination, environmental cleanup, and plant clearance requirements. Resources pay labor required to excess equipment/vacate facilities. Effort will excess machines and perform plant restoration on machine foundations, floors and vacated areas. This is required in order to meet Army's direction to reduce the manufacturing facilities/right size to meet peacetime/emergency requirements. By reducing the manufacturing footprints, the Arsenal's manufacturing operations will be more efficient and ultimately reduce production costs for active lines.							
Manufacturer (Name and Location) Rock Island Arsenal Rock Island, Illinois			Production Lines being laid away (Include Location) Areas in Building 208/212/220			Production Ends Continuous	
Layaway Cost: 0.827			Other Costs:			Annual Maintenance Cost:	
Project: U7667	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Funding:	0.723	0.671	0.877	0.929	0.948	0.930	0.946
Title: Layaway of Industrial Facilities (LIF)							
Description: The Fiscal Year 2009 effort will excess and relocate machines within to facilitate manufacturing and prepare vacated area for a future machine relocation project. Project will also perform plant restoration on machine foundations and restore floor areas of the excessed/relocated machines.							
Manufacturer (Name and Location) Watervliet Arsenal Watervliet, New York			Production Lines being laid away (Include Location) Areas in Building 20			Production Ends Continuous	
Layaway Cost: 0.877			Other Costs:			Annual Maintenance Cost:	
Project: A7667	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Funding:		11.500					
Title: Arsenal Support Program Initiative (ASPI)							
Description: The ASPI incentive funding in Fiscal Year 2008 is used to renovate/modernize idle and underutilized government-owned facilities to make them usable and attractive to paying commercial tenants. Congress first authorized the ASPI within the FY 2001 Defense Authorization Act (PL 106-398) and subsequently extended the program through FY 2008. The ASPI program is designed to integrate civilian commercial activity into the arsenals to reduce government operating costs by sharing overhead burdens. The benefits to the Army include overhead cost reduction, reduced facility maintenance costs, local skill retention, positive community relations, and reduction of future conveyance costs. These efforts support the Headquarters, U.S. Tank-Automotive and Armaments Command's initiative to reduce Industrial Mobilization Capacity costs and avoid unneeded infrastructure costs.							
Manufacturer (Name and Location) Rock Island, Arsenal Rock Island, Illinois			Production Lines being laid away (Include Location)			Production Ends	
Layaway Cost:			Other Costs: 11.500			Annual Maintenance Cost:	
Project: A7667	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Funding:		9.600					
Title: Arsenal Support Program Initiative (ASPI)							
Description: The ASPI incentive funding in Fiscal Year 2008 is used to renovate/modernize idle and underutilized government-owned facilities to make them usable and attractive to paying commercial tenants.							

Exhibit P-17, Layaway and/or Distribution		Date:
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles		P-1 Item Nomenclature LAYAWAY OF INDUSTRIAL FACILITIES (GC2100)
Congress first authorized the ASPI within the FY 2001 Defense Authorization Act (PL 106-398) and subsequently extended the program through FY 2008. The ASPI program is designed to integrate civilian commercial activity into the arsenals to reduce government operating costs by sharing overhead burdens. The benefits to the Army include overhead cost reduction, reduced facility maintenance costs, local skill retention, positive community relations, and reduction of future conveyance costs. These efforts support the Headquarters, U.S. Tank-Automotive and Armaments Command's initiative to reduce Industrial Mobilization Capacity costs and avoid unneeded infrastructure costs.		
Manufacturer (Name and Location)	Production Lines being laid away (Include Location)	Production Ends
Watervliet Arsenal Watervliet, New York		
Layaway Cost:	Other Costs: 9.600	Annual Maintenance Cost:

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
INDUSTRIAL PREPAREDNESS (GC0075)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	106.0	12.8	1.2	3.1	3.4	2.6	4.4	4.4		137.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	106.0	12.8	1.2	3.1	3.4	2.6	4.4	4.4		137.8
Initial Spares										
Total Proc Cost	106.0	12.8	1.2	3.1	3.4	2.6	4.4	4.4		137.8
Flyaway U/C										
Weapon System Proc U/C										

Description:

This program provides for the maintenance of laid away portions of active weapons production plants, and the storage, protection, and maintenance of laid away Government-owned equipment being stored on-site at Government-owned plants. At Hawthorne Army Depot, the funding represents the storage costs for laid away production items from Rock Island and Watervliet Arsenals. The funds also pay for storage, facilities/equipment maintenance, and inspection of Industrial Plant Equipment (IPE) stored at Rock Island Arsenal, and laid away machine tools, gauges, special measuring equipment, tooling and fixturing stored at Watervliet Arsenal. Program also includes the Arsenal Support Program Initiative (ASPI).

Justification:

FY 09 provides funds for the maintenance of laid away weapons production facilities to include utilities, buildings, non-severable equipment, plant equipment, special tooling, and special test equipment being retained as part of approved Army Reserve Plants, which are required to support future production and replenishment requirements. Funds are required to perform periodic inspection and maintenance of the laid away equipment to preclude this unique equipment from deteriorating and jeopardizing planned reactivation capabilities and timelines. Failure to maintain the equipment in a ready state risks significant delays in supporting essential warfighting materiel. This program also includes the appropriate allocation of recurring overhead costs associated with the laid away facilities and equipment such as roads and grounds maintenance, fire protection, plant security, and administrative support.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: INDUSTRIAL PREPAREDNESS (GC0075)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Hawthorne Army Depot			61			25			74		
Rock Island Arsenal			3188			733			1999		
Watervliet Arsenal			718			423			1031		
Arsenal Support Program Incentive (ASPI)			8850								
Total:			12817			1181			3104		

Exhibit P-26, Maintenance of Inactive Industrial Facilities				Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army/2/Weapons and other combat vehicles			Date: February 2008	
Inactive Lines at Contractor Plants		Facility: Hawthorne Army Depot			Contractor: Day & Zimmerman, Hawthorne Corporation			
Funding	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	
MAINTENANCE								
RECURRING								
ENVIRONMENTAL								
OTHER	61	25	74	84	95	97	99	
Description: The Fiscal Year (FY) 2009 requirement will provide for contractor storage and inspection of Industrial Plant Equipment (IPE) at Hawthorne Army Depot(HWAD). These costs represent a contractual commitment.								
Inactive Lines at Active Plants		Facility: Rock Island Arsenal			Contractor: Not Applicable			
Funding	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	
MAINTENANCE	3188	733	1999	2778	2430	2861	2874	
RECURRING								
ENVIRONMENTAL								
OTHER								
Description: The Fiscal Year (FY) 2009 requirement is for the maintenance of laid away portions of active weapons production plants and the storage, protection, and maintenance of laid away Government-owned equipment being stored on-site at Rock Island Arsenal (RIA). Funds are used for maintenance of laid away weapons production facilities to include utilities, buildings, nonseverable equipment, plant equipment, special tooling (ST), and special test equipment (STE) being retained as part of approved plant equipment packages (PEPs) which are required to support future production and replenishment requirements. Also, includes a fair share of the recurring overhead costs such as grounds maintenance, fire protection, plant security, and administrative support. FY09:42 laid away pieces of equipment.								
Inactive Lines at Active Plants		Facility: Watervliet Arsenal			Contractor: Not Applicable			
Funding	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	
MAINTENANCE	718	423	1031	513	105	1407	1412	
RECURRING								
ENVIRONMENTAL								
OTHER								
Description: The Fiscal Year (FY) 2009 requirement is for the maintenance of laid away portions of active weapons production plants and the storage, protection, and maintenance of laid away Government-owned equipment being stored on-site at Watervliet Arsenal (WVA). Funds are used for maintenance of laid away weapons production facilities to include utilities, buildings, nonseverable equipment, plant equipment, special tooling (ST), and special test equipment (STE) being retained as part of approved plant equipment packages (PEPs) which are required to support future replenishment requirements. Also, includes a fair share of the recurring overhead costs such as grounds maintenance, fire protection, plant security, and administrative support. FY09: 26 laid away pieces of equipment.								
Inactive Lines at Active Plants		Facility: Arsenal Support Program Incentive (ASPI)			Contractor: Various			
Funding	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	
MAINTENANCE								

Exhibit P-26, Maintenance of Inactive Industrial Facilities				Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army/2/Weapons and other combat vehicles			Date: February 2008
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RECURRING							
ENVIRONMENTAL							
OTHER		8850					

Description: The Arsenal Support Program Initiative (ASPI) provides the means for organic manufacturing plants to attract commercial entities to occupy unused space on the arsenals by renovating/modernizing idle and underutilized government owned facilities to make them usable and attractive to paying commercial tenants. Program goal is to reduce the overhead costs associated with maintaining Arsenal capacity supporting DoD.

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Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) (GC0076)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	68.9	10.9	4.4	1.3	5.1	4.2	5.2	5.2		105.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	68.9	10.9	4.4	1.3	5.1	4.2	5.2	5.2		105.1
Initial Spares										
Total Proc Cost	68.9	10.9	4.4	1.3	5.1	4.2	5.2	5.2		105.1
Flyaway U/C										
Weapon System Proc U/C										

Description:

This program provides ancillary small arms equipment to the Soldier and equipment for the Soldier Enhancement Program (SEP). The mission of SEP is to identify and evaluate commercially available individual weapons, munitions, accessories, etc., which can be adopted and provided to Soldiers in three years or less. The nature of the items determines the acquisition strategy, market survey, candidate evaluation and down select method, scope of testing, adoption decision and fielding process. Each year nearly 125+ proposals are received and reviewed for suitable solutions to keep up with ever-changing technologies and new and improved ways to equip and maintain our forces. Proposals that match up with user deficiencies are presented at the Semi-annual PEO Soldier / TRADOC SEP review and compete for funding in the upcoming fiscal year. Also included within this program is equipment for the Rapid Fielding Initiative (RFI).

Justification:

FY2009 procures the Advanced Sniper Accessory Kit (New Initiative) for SEP. The Advanced Sniper Accessory Kit provided the sniper teams performance enhancing capabilities such as a Laser Range Finder, a Ballistic Computer, a Boresight Device, etc.

FY2007 funding total includes \$8.202 million received in GWOT supplemental.

FY2008 funding totals do not include \$8.202 million previously requested for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) (GC0076)			Weapon System Type:		Date: February 2008	
WTCV Cost Elements		ID CD	FY 07			FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. HARDWARE											
Advanced Sniper Accessory Kit		B				1093	205	5	1250	210	6
Close Combat Mission Capability Kit		B	436	6543		1640	29757				
Laser Range Finder			3600	10000							
M203 Day Night Sight			4559	4569	1						
2. ENGINEERING SUPPORT			829			290					
3. INTEGRATED LOGISTICAL SUPPORT			175			150					
4. FIELDING			122			241					
5. PM SUPPORT			675			730					
6. CONTRACTOR LOGISTICS SPT			380			250					
7. NEW EQUIPMENT TRAINING			100								
8. SPARES			65								
Total:			10941			4394			1250		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2008

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) (GC0076)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Advanced Sniper Accessory Kit										
FY 2008	TBD2 TBD	Various	JM&L LCMC, Picatinny	Aug 08	Oct 08	205	5	Yes		
FY 2009	TBD2 TBD	Options	JM&L LCMC, Picatinny	Dec 08	Feb 09	210	6	Yes		
Close Combat Mission Capability Kit										
FY 2007	TBD1 TBD	C/FP	JM&L LCMC, Picatinny	Feb 08	Mar 08	6543				
FY 2008	TBD1 TBD	C/FP	JM&L LCMC, Picatinny	Feb 08	Mar 08	29757		Yes		
Laser Range Finder										
FY 2007	Bushnell Corp. Overland Park, KS	SS/FP	JM&L LCMC, Picatinny	Mar 08	May 08	10000				
M203 Day Night Sight										
FY 2007	Insight Technology Londonderry, NH	C/FP	JM&L LCMC, Picatinny	Jul 07	Mar 08	4569	1			

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
REF Small Arms (G15400)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	12.0	0.6								12.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	12.0	0.6								12.6
Initial Spares										
Total Proc Cost	12.0	0.6								12.6
Flyaway U/C										
Weapon System Proc U/C										

Description:

The Rapid Equipping Force (REF) was established to provide urgently needed state-of-the-art technology to soldiers in the field to meet immediate requirements. The REF team works in the field with combat commandants in Iraq and Afghanistan to identify immediate needs. New equipment is delivered to the requesting units. The REF solution is a rapid response to evolving, adaptable and changing asymmetric threat in any operational environment. The REF evaluates, utilizes or adapts currently available military or civilian items, which have not been type classified for Army-wide use, but are appropriate for the current combatant operational commanders' needs in at least one theater of operations.

Justification:

FY2009 has no funding.

FY2007 funding total includes \$.560 million received in GWOT supplemental.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2008

Appropriation / Budget Activity / Serial No:
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature
CLOSED ACCOUNT ADJUSTMENTS (GC9500)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	27.7	0.6								28.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	27.7	0.6								28.2
Initial Spares										
Total Proc Cost	27.7	0.6								28.2
Flyaway U/C										
Weapon System Proc U/C										

Description:

Funds payment of valid invoices, claims, and adjustments against the closed-year Weapons and Tracked Combat Vehicles (WTCV) appropriation.

The funds in this account are required to cover payment of valid invoices on cancelled unliquidated obligations, claims, and obligation adjustments for fiscal years which have been closed in accordance with provisions of P.L. 101-510 and 31 USC 1553 as stated below:

"Subject to the provisions of paragraph (2), after the closing of an account under section 1552(a) or 1555 of this title, obligations and adjustments to obligations that would have been properly chargeable to that account, both as to purpose and in amount, before closing and that are not otherwise chargeable to any current appropriation account of the agency may be charged to any current appropriation account of the agency available for the same purpose."