DEPARTMENT OF THE ARMY

Procurement Programs



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

WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

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

		DEPARTMENT OF THE ARMY					
		FY 2009 PROCUREMENT PROGRAM (WORKSETS INCLUI President's Budget 2009	DED)	DATE:		16-Jan-2008	8:21
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	SUMMARY BY ACTIVITY:						
	Procurement of W&TCV, Army ACTIVITY: 01 ACTIVITY: 02	Tracked combat vehicles Weapons and other combat vehicles		3 4 6			
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APPROPRIATION SUMMARY APPROPRIATION		DOLLARS IN THOUSAN FY 2007	DS FY 2008	FY 2009	PAGE		
Procurement of W&TCV, Army TOTAL PROCUREMENT PROGRA	м	8,337,083 8,337,083	4,430,908 4,430,908	3,687,077 3,687,077	3		
APPROPRIATION P	Procurement of W&TCV, Army	DOLLARS IN THOUSAN	IDS				
		FY 2007	FY 2008	FY 2009	PAGE		
01 Tracked combat ve 02 Weapons and othe APPROPRIATION TOTALS		7,098,838 1,238,245 8,337,083	3,443,006 987,902 4,430,908	2,964,598 722,479 3,687,077	4		
TRACKED COMBA	AT VEHICLES			FY 2007	- <u></u>	FY 2008	FY 2009
1 A	BRAMS TRNG DEV MOD (GA5208)			895			
2 B	BRADLEY PROGRAM (G80718)	В		2,080,047		839,466	171,989
3 B	BRADLEY TRAINING DEVICES (MOD) (GZ2500)	A		4,363		4,652	4,386
4 A	BRAMS TANK TRAINING DEVICES (GB1300)	А		809			
5 S	STRYKER VEHICLE (G85100)			1,430,583		959,730	1,174,947

В

(52,832)

52,832

28,100

(156,519)

(-28,100)

128,419

26,164

(181,866)

6

7

8

Future Combat Systems: (FCS) (G86100)

Future Combat Systems: (FCS) (G86100)

Advance Procurement (CY)

Less: Advance Procurement (PY)

FCS SPIN OUTS (G86200)

	Less: Advance Procurement (PY)				(-19,987)
9	FCS SPIN OUTS (G86200) Advance Procurement (CY)			19,987	161,879 14,788
	SUB-ACTIVITY TOTAL		3,516,697	1,904,767	1,682,572
MODIFICATIO	ON OF TRACKED COMBAT VEHICLES				
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)	В	1,153,637		
20	ABRAMS UPGRADE PROGRAM (GA0750)	A	596,351	225,000	351,179
	SUB-ACTIVITY TOTAL		3,570,083	1,530,531	1,274,890
SUPPORT EQ	DUIPMENT AND FACILITIES				
21	ITEMS LESS THAN \$5.0M (TCV-WTCV) (GL3100)		420		
22	PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050)		11,638	7,708	7,136
	SUB-ACTIVITY TOTAL		12,058	7,708	7,136
	ACTIVITY TOTAL		7,098,838	3,443,006	2,964,598
WEAPONS AN	ND OTHER COMBAT VEHICLES				
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
	SUB-ACTIVITY TOTAL		825,749	858,706	650,819
MODIFICATIO	ON OF WEAPONS AND OTHER COMBAT VEHICLES				
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)	В	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
	SUB-ACTIVITY TOTAL		374,604	88,730	58,574
SUPPORT EC	QUIPMENT AND FACILITIES				
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		
	SUB-ACTIVITY TOTAL		37,892	40,466	13,086
	ACTIVITY TOTAL		1,238,245	987,902	722,479

APPROPRIATION TOTAL	8,337,083	4,430,908	3,687,077
*** UNCLASSIFIED	**	EXHIBIT P-1	
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016	GZ3000	ARMORED VEH LAUNCH BRIDGE (AVLB) (MOD)	90
017	GZ3001	JOINT ASSAULT BRIDGE	
018	GA0700	M1 ABRAMS TANK (MOD)	
019	GA0730	SYSTEM ENHANCEMENT PGM: SEP M1A2	
020	GA0750	ABRAMS UPGRADE PROGRAM	122
021	GL3100	ITEMS LESS THAN \$5.0M (TCV-WTCV)	
022	GA0050	PRODUCTION BASE SUPPORT (TCV-WTCV)	
023	G01300	HOWITZER, LIGHT, TOWED, 105MM, M119	
024	G13000	M240 Medium Machine Gun (7.62mm)	
025	GB2000	MACHINE GUN, CAL .50 M2 ROLL	
026	G12900	M249 SAW Machine Gun (5.56mm)	
027	G13400	MK-19 Grenade Machine Gun (40mm)	
028	G02200	Mortar Systems	
029	G01500	M107, CAL. 50, SNIPER RIFLE	
030	G01501	XM320 GRENADE LAUNCHER MODULE (GLM)	
031	G01505	XM110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS)	192
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038	GB3007	M4 CARBINE MODS	230
039	GB4000	M2 50 Cal Machine Gun MODS	242
040	GZ1290	M249 SAW Machine Gun MODS	246
041	GZ1300	M240 Medium Machine Gun MODS	258
042	GL1000	PHALANX MODS	266
043	GC0401	M119 MODIFICATIONS	270
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
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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 Ite	m Justificatio	on Sheet					Ι	Date:	February 2008				
Appropriation / Budget Activity / Ser. Procurement of W&TCV, Army / I	ial No: / Tracked combat vehicle	es			P-1 Item Nomenclature ABRAMS TRNG DEV MOD (GA5208)								
Program Elements for Code B Items:		Code:		Other Related Prog	ram Elements:								
	Prior Years	FY 2007	FY 2	008 FY 200	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													
units at U.S. Army Forces Command (less expensive than buying new equipments) Justification: FY2009 has no funding.		y,											

Exhibit P-40, Budget Item .	Justification	Sheet					I	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		les		P-	l Item Nomencla BRADLEY	iture PROGRAM (G807)	18)		1 Cordary 2006	
Program Elements for Code B Items:	Related Program 0203735.371	Elements:								
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	3155	670	20	5 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.	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)					m Type:	Date:	February 2008	
WTCV				FY 07			FY 08			FY 09		
Cost Element	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 / Seria Procurement of W&TCV, Army / 1 /		eles			P-1 Item Nomencl BRADLEY	ature 7 PROGRAM (M2A	2/) (G80716)			
Program Elements for Code B Items:		Code:		Related Prog	ram 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 vehicles	d comba			menclature: GRAM (M2A2/)	(G80716)		Weapon Syste	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	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						92924					•
Contractor Engineering											•
Government Engineering											•
Project Management Administration											•
Reimbursable Matrix Support											•
System Test and Evaluation											•
Peculiar Support Equipment											ı
Fielding											1
Total:						92924					

Exhibit P-40, Budget Item .	Justification	Sheet					Γ	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		les		P-	l Item Nomencla BRADLEY	iture PROGRAM (M2A:	3) (G80717)	· · · · · · · · · · · · · · · · · · ·	1 cordary 2000	
Program Elements for Code B Items:	Related Program 0203735.371	Elements:								
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	1158	670	20	5 21	. 12	19			285	2371
Gross Cost	3652.7	2080.0	746.	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.	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.	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.	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 vehicles	l comb			menclature: GRAM (M2A3) (0	G80717)		Weapon Syster	n Type:	Date:	February 2008
WTCV		ID	L	FY 07			FY 08		L	FY 09	
Cost Elemen	ts	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
HARDWARE											
Vehicle		A	1470175	670	2194	483680	206	2348	70918	3 21	3377
Forward Looking Infrared (FLIR)			135470			47399			4051	1	
Other GFE New			98385			46732			3246	5	
Other GFE Reman			7115						455	5	
Sub total			1711145			577811			78670		
Other Production Cost											
Engineering - Government			10576			12411					
Engineering - Contractor			91495			60513			22843	3	
Project Management Administration			7202			7418			5552	2	
Reimbursable Matrix Support			6152			7295			10202	2	
Test			5517			4671			1045	5	
Sub total			120942			92308			39642	2	
Peculiar Support Equipment			27714			25723					
Fielding			140602			28000			31077	7	
A3 Diagnostics			52883								
Training Devices			26761			22700			22600		
Sub Total			247960			76423			53677	7	
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	t History an	d Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles	Weapo	on System Type:		Nomenclature: ROGRAM (M2A3) (G80717	()						
WBS Cost Elements:	Contra	actor 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	RFF 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:

		FY 07	/ 08 BU	JDGET	r PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN BRADL				(G8071	17)				Date		Februa	ry 2008				
	COS	T ELE	MENTS	5						Fiscal `	Year 07	,										Fiscal Y	ear 08						
M	3		ACCEP PRIOR										Calenda	r Year 0	7								Caler	ıdar Ye	ar 08				
F R	Y		TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	U	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	Later
Vehicle		_	1										1																
1 FY	07 A	50	2 0	502		A																42	42	42	42	42	42	42	208
1 FY	07 A	16	8 0	168										A															168
1 FY	08 A	20	5 0	206																		A							206
1 FY	09 A	2	1 0	21																									21
1 FY	10 A	1	2 0	12																									12
1 FY	11 A	1	9 0	19																									19
Vehicle	•	•		•	•		•				•		•												•				
Total		92	3	928																		42	42	42	42	42	42	42	634
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	U	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						I	PRODU	ICTION	RATES						Α	DMIN I	EAD T	IME]	MFR		TOTA	AL.	REMA	RKS				
F										Reac	hed M	FR			Pric	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct		After 1	Oct						
R		Na	me - Locat	ion		N	MIN	1-8-5	MAX	D-	+	1 I	nitial			0		2		16		18							
1 BA	E, YO	K PA					144	300	984			F	Reorder			0		4		18		22							
												I	nitial																
												F	Reorder																
												I	nitial											1					
												F	Reorder											1					
												I	nitial											1					
												F	Reorder											1					
												I	nitial											1					
										1		-	Reorder											1					

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Total		928	294	634	56	56	56	55	55 E	14	14	14	14	31	31	31	17	17	17	17	17	17	17	18	18	21			31
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Vehicle					T	V	С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	<u> </u>
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Exhibit P-40, Budget Item	Justification	Sheet							Date:	February 2008	
Appropriation / Budget Activity / Seri. Procurement of W&TCV, Army / 1 /		les		P		Nomencla BRADLEY	nture TRAINING DEVIC	ES (MOD) (GZ25	00)		
Program Elements for Code B Items:		Code:	Other	Related Progra 0203735.371	m Eleme	nts:					
	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	7 4	.4						120.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	107.4	4.4	4.7	7 4	.4						120.8
Initial Spares											
Total Proc Cost	107.4	4.4	4.7	7 4	.4						120.8
Flyaway U/C											
Weapon System Proc U/C											
Description: This program procures upgrade kits for are delayed or cancelled. Without suff										ning will take plac	ce if these kits

Justification:

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

Exhibit P-40M	I, Budget Item Justifi	cation Sheet						Date:	February 2008		
Appropriation / Budget A	activity / Serial No:				P-1 Item Nomeno	clature					
Procurement	t of W&TCV, Army / 1 / Tracked com	oat vehicles			BRA	ADLEY TRAINING	G DEVICES (MO	D) (GZ2500)			
Program Elements for Co	ode B Items:				•		Code: A	Other R 020373:	elated Program Elem 5.371	ents:	
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 Tactica	1 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.
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.
Bradley Advanced Tra	aining 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.
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.
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.
Prior Year Closed Mo	difications										
0-00-00-0000		13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.
Conduct of Fire Traine	er 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.
· !											
Totals		107.3	4.4	4.7	4.4	0.0	0.0	0.0	0.0	0.0	120.

E-shihit D 40 Dayloot Home	Tatifi aatia-	Choot						Date:		
Exhibit P-40, Budget Item	Justincation	Sneet						Dutc.	February 2008	
		les		P-1			DEVICES (GB1300	0)		
Program Elements for Code B Items:		Code:	Other 1	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										
Updates/modifications due to vehicle s Enhancement Program (SEP) and Abra Justification:	software changes a	and lessons learn	ned affect Adva	ance Gunnery T	raining System (AGTS), Mainter	nance Trainers	, Non-System In	tegration Kits as v	well as System
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles Code: A Other Related Program Elements: P-1 Item Nomenclature ABRAMS TANK TRAINING DEVICES (GB1300) Program Elements: Code: A Other Related Program Elements: FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 FY 2012 FY 2013 To Code Proc Qty Gross Cost 140.3 0.8 Less PY Adv Proc Plus CY Adv Proc Net Proc P1 140.3 0.8 Initial Spares										

Exhibit P-40, Budget Item	Justification	Sheet					-	Date:	E.I. 2000	
				T					February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		les		F	-1 Item Nomencla STRYKER	ature VEHICLE (G85100)			
Program Elements for Code B Items: 0603653A/C03		Code:	Othe	r Related Progra	m 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 1	9 106	236	193	3		3527
Gross Cost	6031.6	1430.6	959	0.7 1174	.9 1070.3	1371.5	840.4	4 249.0	938.7	14066.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	6031.6	1430.6	959	0.7 1174	.9 1070.3	1371.5	840.4	4 249.0	938.7	14066.8
Initial Spares										
Total Proc Cost	6031.6	1430.6	959	0.7 1174	.9 1070.3	1371.5	840.4	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	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 S	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:	Other Related Prog	gram Elements:	
VDCD . VIII D. V. I. D. I . I.C		IIIII AIDG	DID 11 1 1 1	

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).

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.

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.

G85100 Item No. 5 Page 2 of 13 Exhibit P-40 STRYKER VEHICLE 16 Budget Item Justification Sheet

P-1 Line Item Nomenclature: Date: Exhibit P-5, Weapon WTCV Cost Analysis Appropriation/Budget Activity/Serial No: Weapon System Type: Procurement of W&TCV, Army / 1 / Tracked combat STRYKER VEHICLE (G85100) February 2008 ID WTCV FY 07 FY 08 FY 09 Total Cost CD Unit Cost Total Cost Unit Cost Total Cost Unit Cost Qty Qty Qty **Cost Elements** \$000 Units \$000 \$000 Units \$000 \$000 Units \$000 Stryker Vehicles -Infantry Carrier Vehicle (ICV) Α 52262 31 1686 -ICV Block Improvements -Reconnaissance Vehicle (RV) Α 34384 25 1375 -RV Block Improvements -Anti-Tank Guided Missile Vehicle (ATGM) Α -ATGM Block Improvements -Mortar Carrier (MC) Α 38645 19 2034 -MC Block Improvements 20502 14 -Fire Support Vehicle (FSV) Α 1464 -FSV Block Improvements -Engineer Squad Vehicle (ESV) 11 1955 Α 21503 -ESV Block Improvements -Commander's Vehicle (CV) 120456 68 1771 Α -CV Block Improvements -Medical Evacuation Vehicle (MEV) Α 69140 52 1330 -MEV Block Improvements В 72376 25 2895 3293 40 3214 -NBC Reconnaissance Vehicle (NBCRV) 98775 30 128545 -NBC RV Block Improvements 5888 79 -Mobile Gun System (MGS) 365060 62 5642 445750 -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

G85100 STRYKER VEHICLE Item No. 5 Page 3 of 13

Exhibit P-5 Weapon System Cost Analysis

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Trackivehicles	ed comb			omenclature: ICLE (G85100)			Weapon Syste	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	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
Logistics Support (Contractor)			13002	:		18175			1304	7	
System Fielding Support			85503	1		57609			89059	9	
Vehicle Retrofit/OIF Fixes			160315			22494					
Post Production Mods (unscheduled mods)											
Initial Spares/ASL			12076	i		13305			1755	4	
Support Equipment (STTE)			3544			7201			703	7	
Training Devices			32997			23531			1756	4	
System Technical Support (STS)			70528	:		61494			6750	2	
Software Support			5320	1		3530			3000	0	
Integrated Data Environment											
Product Improvement Program											
Facilitization											
Mounted Mortar											
Digital Wiring Schematics											
Total:			1430583	1		959730			117494	7	

Exhibit P-5a, Budget Procurement	History and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles	Weapon System Type:	P-1 Line Item STRYKER V	Nomenclature: EHICLE (G85100)							
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	RFF Issue Date
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.

Item No. 5 Page 5 of 13

FY 07 / 08 BUDGET PRODUCTION SCHEDULE P-1																														
		F	FY 07 /	08 BU	DGE	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN									Da	te:	Februa	ry 2008				
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Str	yker Vel	nicles		•		•		•	•					•										•		•	•		•	
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1	FY 05	A	11	0	11																	5	6							0
1	FY 05	A	10	0	10																			3	4		3			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	1 FY 06 A 36 0 36																						4	19	13					0
1	FY 06	A	13	0																						7	4	2		0
1	FY 06	A	39	0																							7	16	6	10
1	FY 07	A	22	0	22							A																	3	
1	FY 07	A	165	0										A												4	5	9	12	
1	FY 07	A	33	0													A													33
1	FY 07	A	25	0																		A								25
1	FY 08	A	30	0																		A								30
1	FY 08	A	62	0																			A							62
1	FY 09	A	40	0	40	_			_	_					_		_			_	_	_				_	_			40
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Μ	1						I	PRODU	CTION	RATES						Α	DMIN I	LEAD T	IME		MFR		TOT	AL	REMA					
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[Reorder													quantity. n by the p			ne MGS is lead	
Initial Date of the Control of the C															\perp			require	ments (tit	anium). ad requir	Received	l authori	ty to							
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		F	FY 07	08 BU	DGET	r PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITE STRYK									Dat	te:	Februa	ry 2008				
	C	OST	ELEN	IENTS	}						Fiscal Y	Year 07	'										Fiscal Y	Year 08						
М		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ır Year ()7								Caler	ıdar Ye	ar 08				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1	FY 09	A	79	0	79																									79
1	FY 10	A	63	0	63																									63
1	FY 10	A	43	0	43																									43
1	FY 11	A	236	0	236																									236
1	FY 12	A	193	0	193																									193
То	tal		2181	466	1715	54	45 N	22 D	27	26 F	25 M	28 A	33 M	31	34	38 A	41	43	42 N	29 D	26 J	28 F	24 M	22 A	18 M	17	28 J	34 A	25 S	975
	T					C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
M								PRODU	ICTION :	RATES	_						DMIN I			1	MFR		TOTA		REMA Admin	RKS Leadtime	e (LT)/N	Ianufactu	re Leadt	imes
F												hed M	_			Pri	or 1 Oct		er 1 Oct	Aft	er 1 Oct		After 1		shown a	at left are	represen	tative of	the Stryl	ker
R		DI C D		ne - Locati		m 1		MIN 2	1-8-5	MAX	D-	+	_	itial			8	_	10		11		21		Normal	LT for th	ne NBCF	RV is 15	nonths d	roduction. Iriven by
1	MI	DLS De	etense Gr	oup L.L.C	., Shelby	Townsh	ııp,	2	240	675			_	order			0		3		11		14			CRV Senter I to 13 mo				7, the LT is
													_	itial											purchas	ed and av	ailable t	o suppor	the first	two
														order											monthly FY09 N	deliveri BCRV L	es of FY Ts are d	07 NBCI	lV buy. delivery	FY08 & restrictions
														itial											placed of	on the Str	yker Pro	gram for	the ramp	p-up of the
	Reorder extended LRIP quantity. Normal LT for the MC 21 months driven by the purchase of long-lead 1 lnitial equipments for 62 MGS purchase long-lead requirements for 62 MGS													lead																
	1									t			-	order				+							vehicles	s which re	esults in	a 19 mor	th LT fo	or the FY08
													_	itial				1							MGS V	ehicles or	пу.			

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FY 09 / 10 BUDGET PRODUCT									N SCI	HEDU	LE			P-1 ITEN STRYKI									Dat	te:	Februa	ry 2008				
	C	OST	ELEM	IENTS	}						Fiscal Y	ear 09											Fiscal Y	Year 10						
		S	PROC	ACCEP										Calenda	ır Year ()9								Caler	ndar Ye	ar 10				
M F	FY	E R	QTY Units	PRIOR TO	DUE AS OF	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	
R		V		1 OCT	1 OCT	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	Later
- i	ker Vel	1	67.5			1		l	1		1	1		1	1	1			1 1			I		l	1	l	l			
_	FY 05 FY 05	A	675 11	675																										0
-	FY 05 FY 05	A A	10	10																										0
-	FY 06	A	306	306																										0
-	FY 06	A	100	93		7																								0
_	FY 06	A	36	36																										0
-	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						2	2		2 2	2	2	2	2	2	2	2	3								0
1	FY 08	A	30	0	30																		2	2	2	2	2	2	3	15
1	FY 08	A	62	0	62													1	2	4	6	6	6	6	6	6	6	6	7	0
1	FY 09	A	40	0	40				A																					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	
							- 1				1					1 .				ı					T					
M							<u> </u>	PRODU	ICTION :	RATES	١, ,	, , , ,					ADMIN I	_			MFR		TOTA		REMA Admin		e (LT)/N	Ianufactu	re Leadt	imes
F R	Name - Location MIN 1-8-5 MAX D+ 1											1		Pri	or 1 Oct		r 1 Oct	An	er 1 Oct		After 1				represen			ker roduction.		
1	GM G	DIS De		oup L.L.C		Townsh		2	1-8-5	MAX 675	D+	1	-	itial eorder			8		3		11		21 14		Normal	LT for t	he NBCF	RV is 15 i	nonths d	lriven by
1	MI	DL5 DC	ziense Gre	лир Е.Е.С	., Shelby	TOWNSH	пр,	-	240	075			-+	itial			U		3		11	-	14		reduced	l to 13 m	onths due	to Senso	ors previ	
													-	eorder													vailable t			two FY08 &
														itial											FY09 N	BCRV I	Ts are d	riven by	delivery	restrictions p-up of the
													-	eorder											extende	d LRIP	uantity.	Normal 1	LT for th	ne MGS is
														itial													n by the panium).			
											1	_	Re	eorder											purchas	e long-le	ad requir	ements f	or 62 M	
											1	\bot	In	itial												ehicles o		u 17 IIIOII	1.10	1 inc 1 100
													Re	eorder																

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		F	FY 09 /	10 BU	JDGET	ΓPR	ODU	CTIO	N SCI	HEDU	LE			P-1 ITE STRYK									Da	te:	Februa	ary 2008				
	C	OST	ELEN	IENTS	5						Fiscal `	Year 09)										Fiscal '	Year 10)					
М		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year (9								Cale	ndar Ye	ar 10				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1	FY 09	A	79	0	79				A																					79
1	FY 10	A	63	0	63																						A			63
1	FY 10	A	43	0	43																A									43
1	FY 11	A	236	0	236																									236
1	FY 12	A	193	0	193																									193
То	al		2181	1206	975	31	31	29	25	29	32	31	2	2	2	2	2	3	4	6	8	9	8	8	8	8	8	8	10	669
						O C T	N O V	D E C	J A N	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	
	_					I		1	I				1	I.	ı		1		I.		I		ı							
M								PRODU	JCTION :	RATES						Α	DMIN I	LEAD T	ПМЕ		MFR		TOT	AL	REMA	ARKS Leadtim	- (I T) (A)	· · · · · · · · · · · · · · · · · · ·	T Je	
F											Reac	hed M	IFR			Pri	or 1 Oct	Afte	er 1 Oct	Aft	ter 1 Oct		After 1	Oct	shown	at left are	represen	tative of	the Stry	ker
R			Nan	ne - Locati	ion]	MIN	1-8-5	MAX	D-	+	1 In	itial			8		10		11		21							Production. Iriven by
1	GM G MI	DLS D	efense Gr	oup L.L.C	., Shelby	Townsh	nip,	2	240	675			Re	order			0		3		11		14		the NB	CRV Sen	isor avail	ability. 1	For FY07	7, the LT is
	IVII												In	itial												d to 13 messed and a				
	Re												order											monthl	y deliveri	es of FY	07 NBCI	RV buy.	FY08 & restrictions	
	Initial													itial											placed	on the St	ryker Pro	gram for	the ram	p-up of the
Reorder Reorder 21 months driven by																														
													In	itial											require	ments (tit	anium).	Received	l authori	ty to
	1										-	<u> </u>	Re	order											purchas vehicle	se long-le s which r	ad requir esults in	ements f a 19 mor	or 62 Mo th LT fo	GS or the FY08
											1	=	In	itial												ehicles o				
										1			Re	order											1					

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	FY 11 / 12 BUDGET PRODUCTION SCHEDULE																													
		F	Y 11 /	12 BU	DGE	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN STRYKI									Dat	te:	Februa	ry 2008				
	C	OST	ELEM	IENTS	}						Fiscal `	Year 11											Fiscal Y	Year 12						
		1	1	ı																										
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 1	1								Cale	ndar Ye	ar 12				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Stryl	er Veh	icles																												
_	Y 05	A	675	675																									<u> </u>	0
1 I	Y 05	A	11	11																										0
1 I	Y 05	A	10																											0
1 I	Y 06	A	306	306																										0
1 I	Y 06	A	100																											0
1 I	Y 06	A	36	36																										0
1 I	Y 06	A	13	13																										0
1 I	Y 06	A	39	39																										0
1 I	Y 07	A	22	22																										0
1 I	Y 07	A	165	165																										0
1 I	Y 07	A	33	33																										0
1 I	Y 07	A	25	25																										0
1 I	FY 08	A	30	15	15	3	3	3	3	3																				0
1 I	FY 08	A	62	62																										0
1 I	Y 09	A	40	0	40						5	5		5 5	5	5	5	5												0
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M]	PRODU	CTION I	RATES						A	DMIN I	LEAD T	IME		MFR		TOTA	AL	REMA					
F											Reac	hed M	FR			Pric	r 1 Oct	After	r 1 Oct	Aft	er 1 Oct		After 1	Oct		or NBCI SS vehicl				s. MFR
R			Nam	ne - Locati	on		N	MIN	1-8-5	MAX	D-	+ [1 In	itial			8		10		11		21							1 months.
1	1 GM GDLS Defense Group L.L.C., Shelby Township, 2 240 675										R	eorder			0		3		11		14									
,	MI												In	itial																
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										ļ			R	eorder																

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		F	Y 11 /	12 BU	DGET	ΓPRO	ODUC	CTIO	N SCI	HEDU	JLE			P-1 ITEN STRYKI									Dat	e:	Februa	ry 2008				
,	C	OST	ELEM	IENTS	}						Fiscal '	Year 11	1										Fiscal Y	ear 12						
	l		ppoc	A CCEP	DAI				1					<u> </u>	¥7 4									<u> </u>	1 17					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 1	1								Caler	ıdar Ye	ar 12				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1	FY 09	A	79	0	79	5	6	5	7	7	7	7		7	7	7	7													0
1	FY 10	A	63	0	63														5	4	5	5	5	5	5	5	6	6	6	6
1	FY 10	A	43	0	43													5	6	5	6	6	5	5	5					0
1	FY 11	A	236	0	236				A											17	19	19	19	19	19	19	19	19	22	45
1	FY 12	A	193	0	193																A									193
То	tal		2181	1512	669	8	9	8	10	10	12	12	12	12	12	12	12	10	11	26	30	30	29	29	29	24	25	25	28	244
10			2101	1012	00)	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J		A	S	2
						C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
							•			1				•																
M]	PRODU	CTION	RATES						A	DMIN I	LEAD T	IME		MFR		TOTA	AL.	REMA	RKS				
F											Reac	hed M	FR			Pric	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct		After 1	Oct		or NBCF				
R			Nam	e - Locati	on		N	MIN	1-8-5	MAX	D-	+	1 Ini	tial			8		10		11		21			S vehicl tryker ve				or an 1 months.
1													Re	order			0		3		11		14			•				
	MI													tial																
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Reorder																						1								
	Initial																													
	1	Reorder Reorder																												
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	FY 13 / 14 BUDGET PRODUCTION SCHEDULE P-1																													
		F	FY 13 /	14 BU	DGE	Γ PR(ODUC	CTIO	N SCI	HEDU	LE				M NOMI ER VEH								Dat	te:	Februa	ry 2008				
ı	C	OST	ELEM	IENTS	5						Fiscal `	Year 13	,	1									Fiscal Y	Year 14						
		1	1	ı	1				1												1									
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ar Year 1	13								Cale	ndar Ye	ar 14				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Stryl	ker Veh	icles																												
1 I	FY 05	A	675	675																										0
1 I	FY 05	A	11	11																										0
1 I	FY 05	A	10	10)																									0
1 I	FY 06	A	306	306	i																									0
1 I	FY 06	A	100	100)																									0
1 I	FY 06	A	36	36	i																									0
1 I	FY 06	A	13	13																									<u> </u>	0
1 I	FY 06	A	39	39																									<u> </u>	0
1 I	FY 07	A	22	22	:																								1	0
1 I	FY 07	A	165	165																										0
1 I	FY 07	A	33	33																										0
1 I	FY 07	A	25	25																										0
1 I	FY 08	A	30	30)																									0
1 I	FY 08	A	62	62																										0
1 I	FY 09	A	40	40)																									0
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M]	PRODU	ICTION I	RATES						Α	DMIN I	EAD T	IME		MFR		TOTA	AL	REMA					
F											Reac	hed M	FR			Prie	or 1 Oct	Afte	r 1 Oct	Aft	ter 1 Oct		After 1	Oct		or NBCI SS vehicl				s. MFR
R			Nam	ne - Locati	ion		N	MIN	1-8-5	MAX	D-	+	1 Ir	nitial			8		10		11		21							1 months.
1	1 GM GDLS Defense Group L.L.C., Shelby Township, 2 240 675									R	eorder			0		3		11		14										
MI										nitial																				
							-						R	eorder																
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											-		Ir	nitial																
											1		R	eorder]					
											1	-	Ir	nitial]					
													R	eorder																

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		F	FY 13 /	14 BU	DGE	ΓPRO	ODUC	CTIO	N SCI	HEDU	JLE			P-1 ITEM STRYKE									Da	te:	Februa	ry 2008				
	C	OST	ELEN	IENTS	5						Fiscal '	Year 13											Fiscal '	Year 14	ļ					
	1	-			T				ı												1									1
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 1	3								Cale	ndar Ye	ar 14				
F R		R V	Units	TO 1 OCT	AS OF 1 OCT	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	Later
1	FY 09		79			T	V	С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	0
1	FY 10	A A	63		1	6																								0
1	FY 10	A	43																											0
1	FY 11	A	236		ļ	23	22																							0
1	FY 12	A	193	0	193			15	17	17	16	16	16	16	16	16	16	16	16											0
								 																						
-																														
To	tal		2181	1937	244	29	22	15	17	17	16	16	16	16	16	16	16	16	16											
					•	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	
						T	V	С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	
							-				1	-				1				1		-								
M							_	PRODU	ICTION :	RATES	٦,		- TD				DMIN I			-	MFR		TOT		REMA MFR f		RV vehi	cles is 15	5 month	s. MFR
F			Non	ne - Locati	ion		,	MIN	1-8-5	MAX		hed MI		:-1		Prio	or 1 Oct		r 1 Oct	An	ter 1 Oct		After 1		for MO	3S vehic	les is 21	months.	MFR	for all
1		DLS De		oup L.L.C		Townsh		2	240	675		+]	-	order			0	+	10		11		21		other s	stryker v	emere co	Jiiigurai	lions is	11 months.
•	MI	DES D	Jense Gr	oup E.E.C	, Blicity	TOWNSH	np,		2.0	0,5			Init				0		3		11		14	•						
													-	order				1							-					
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													Init	ial											1					
												Red	order											1						
	-												Init	ial																
													D ₀	ordor																

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Exhibit P-40, Budget Item	Justification	Sheet					I	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		les		P-	1 Item Nomencla Future Com	ature abat Systems: (FCS) (G86100)		recruary 2000	
Program Elements for Code B Items:		Code:	Other	Related Progran	n 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.	148.8	703.2	891.4	6129.5	124354.9	132437.1
Less PY Adv Proc				28.	26.2	25.4		1283.9	15629.6	16993.1
Plus CY Adv Proc			28.	26.	25.4		1283.9	899.1	14730.5	16993.1
Net Proc P1			80.9	154.	148.0	677.8	2175.3	5744.6	123455.8	132437.1
Initial Spares										
Total Proc Cost			80.9	154.	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/Rollovers (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.

G86100 Future Combat Systems: (FCS) Item No. 6 Page 1 of 6 Exhibit P-40
28 Budget Item Justification Sheet

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Track vehicles	ed comb		P-1 Line Iten Future Comb		menclature: ystems: (FCS) (G	86100)		Weapon Syste	m Type: D	ate:	February 2008
WTCV	1	ID		FY	07			FY 08			FY 09	
Cost Elemen	ts	CD	Total Co	ost Qt	y	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Uni	ts	\$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 Procureme	nt History and P	lanning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicl	Weapon System	tem Type:	P-1 Line Item Future Comba	Nomenclature: t Systems: (FCS) (G86100)							
WBS Cost Elements:	Contractor as	nd 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

		F	Y 08 /	09 BU	DGE	ΓPRO	ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN Future C				386100)					Dat	te:	Februa	ry 2008				
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M	GV (NLC	OS-C)		I	1	1							1	ı										ı				ı		
2	FY 09	A	6	0	6																		A							6
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N								PRODU	ICTION	RATES						Α	DMIN I	LEAD T	IME		MFR		TOTA	A L	REMA	RKS			···· - c -	:1- ECC
F												hed M	FR			Prie	or 1 Oct	Afte	r 1 Oct	Aft	ter 1 Oct		After 1	Oct	MGV 1	NLOS-C	chassis	presenta s, not the	full FC	ingle FCS C (BCT)
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		F	Y 10 /	11 BU	DGE'	ΓPRO	ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN Future C				G86100)	ı				Dat	te:	Februa	ry 2008				
	C	OST	ELEM	IENTS							Fiscal `	Year 10)										Fiscal Y	Year 11						
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M	GV (NLC	S-C)																												
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Exhibit P-40, Budget Item	Justification	Sheet					I	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		les		P-3	I Item Nomencla Future Com	ature abat Systems: (FCS)	(Adv. Proc.) (G8610		recruary 2000	
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.	26.2	25.4		1283.9	899.1	14730.5	16993.1
Net Proc P1			28.	26.2	25.4		1283.9	899.1	14730.5	16993.1
Initial Spares										
Total Proc Cost			28.	26.2	25.4		1283.9	899.1	14730.5	16993.1
Flyaway U/C										
Weapon System Proc U/C										

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), 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.

G86100 Item No. 7 Page 1 of 5 Exhibit P-40 Future Combat Systems: (FCS) 34 Budget Item Justification Sheet

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)	
	(9	k in Millions)	

							(\$ in Million	s)				
	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-Fundin	g (P-10B)				Date: February 20)08
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles		P-1 Line Item Nomenclature Future Combat	e / Weapon System: Systems: (FCS)	l		
			(\$ in	Millions)		
					2009	
	PLT (mos)	Quantity Per Assembly	Unit Cost	Qty	Contract Forecast Date	Total Cost Request
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 Requ	irements Anal	lysis-Fundin	g (P-10C)						Date: Febru	1ary 2008
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army /	1 / Tracked combat veh	icles		P-1 I	Line Item Nomenclat Future Comb	ure / Weapon System oat Systems: (FCS)	n:			
					(\$ in M	illions)				
	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

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Advance Procurement Requ	uirements A	nalysis-Ex	ecution (P-10	D)				Date:	February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army /	/ 1 / Tracked combat	t vehicles			P-1 Line Item Nom Future	enclature / Weapon Sy Combat Systems: (FC	stem: S)			
						(\$ in Millions)				
				2007			2	2008	200	9
	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					_					
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

Exhibit P-40, Budget Item	Justification	Sheet					Γ	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		cles		P-:	I Item Nomencla	nture OUTS (G86200)		·	1 cordary 2000	
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.	14.8	26.8	62.6	87.9	108.3	1283.9	1604.2
Net Proc P1			20.	176.7	368.0	550.8	766.3	945.0	11335.9	14162.6
Initial Spares										
Total Proc Cost			20.	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

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 / Trackivehicles	ed comb	P-1 L FCS		omenclature: S (G86200)			Weapon Syste	em Type:	Date:	February 2008
WTCV	I	ID	I	FY 07			FY 08			FY 09	
Cost Elemen	ts	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	39
Antenna- B kits									4515	19	23
UGS-U- B kits									1770	18	9
UGS-T- B kits									8635	12	72
NLOS-LS- B kits									25340	6	422
Abrams - A kits									1221	6	
Bradley - A kits									1965	10	19
HMMWV - A- kits									133	4	3:
Spin Out 3 (A&B-Kits)											
Recurring Production Support Costs											
SEPM									48596	5	
SEPM (FY08 CY ADV PROC)									1400)	
Training Device Mod (FY08 CY ADV PROC)									3202		
Testing									7913		
Initial Spares									343		
Fielding									2622		
Other Production									3303	i	
CY ADV Proc Adjustment									16163		
PY ADV Proc Adjustment											
Spin Out Development Test									14092	2	
SUGV (Block 1) Acceleration Program											
Non Recurring Production									13399		
Recurring Production									4814		21
SEPM									650		
Testing											
Initial Spares									139		
Fielding									78	3	
Other Production costs									139		

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Exhibit P-5 Weapon System Cost Analysis

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracket vehicles	ed comb		1 Line Item N CS SPIN OUT				Weapon Syste	ет Туре:	Date:	February 2008
WTCV		ID		FY 07	1		FY 08			FY 09	
Cost Elemen	ts	CD	Total Cos	st 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	4 13	417
SEPM									1790)	
Testing									910)	
Initial Spares											
Fielding									180)	
Other Production Costs									420)	
Less : PY Adv Proc - Reqmnt									-15385	5	
Less PY Adv Proc. Trng Dev Mod Dev									-3202	2	
Less PY Adv Proc SEPM									-1400)	
Plus CY Adv Proc - Reqmnt						15385			14788	3	
Plus CY Adv Proc- Trng Dev Mod Dev						3202					
Plus CY Adv Proc -SEPM						1400					
Total:						19987			176667	7	

Exhibit P-5a, Budget Procurement	History and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles	Weapon System Type:	P-1 Line Item FCS SPIN OU	Nomenclature: UTS (G86200)							
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
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

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Exhibit P-40, Budget Item .	Justificatior	Sheet					Γ	Date:	February 2008	
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Gross Cost										
Less PY Adv Proc										<u> </u>
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	·									<u> </u>
Weapon System Proc U/C										·

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 Rec	quirement	s Analy	ysis-Fundi	ng (P-10A)	First System Av	ward Date: Qtr FY09	First Syste	em Completion Da 3 Qtr FY10	te:	Date:	February 2008	
Appropriation / Budget Activity / Serial No. Procurement of W&TCV, Arm		ombat vehic	cles				P-1 Line	Item Nomenclature FCS SPIN OUT		:		
							(\$ in Million	is)				
	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.
Rocket Motor NLOS-LS	26	0			1.3							1
Warhead NLOS-LS	26	0			0.7							0.
ICS Computer LNP Sub ASSY	19	0			2.9	2.3	4.0	9.8	12.6	16.8	198.7	247.
ICS Computer Test Hardware	19	0			0.3	0.4	0.7	1.2	2.3	2.1	28.7	35.
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.
GPCS U-MOUNT	21	0			0.6	0.4	1.1	2.0	3.6	4.3	49.2	61.
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.
U-UGS	16	0			0.4	0.4	1.6	3.2	5.2	6.2	69.8	86.8

20.0

14.8

26.8

62.6

87.9

108.3

1283.9

1604.3

0.0

0.0

Total Advance Procurement

Advance Procurement Requirements Analysis-Funding (I	P-10B)				Date: February 20	008
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles		P-1 Line Item Nomencla FCS SPIN C				
			()	\$ in Millions)		
					2009	
	PLT (mos)	Quantity Per Assembly	Unit Cost	Qty	Contract Forecast Date	Total Cost Request
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 Requir	ements Anal	ysis-Funding	g (P-10C)					Date:	ebruary 2008
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 /	Tracked combat vehi	icles		P	P-1 Line Item Nomencla FCS SPIN C		n:		
					(\$ in M	illions)			

	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 Req	juirements Ai	nalysis-Ex	ecution (P-10)	D)				Date:	February 2008	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army	y / 1 / Tracked combat	vehicles			P-1 Line Item Nome FCS SI	enclature / Weapon Syst PIN OUTS	tem:			
						(\$ in Millions)				
				2007			2	2008	2009	9
	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									l
Network Radio Aux NLOS-LS	26									I
Battery NLOS-LS	26									I
Rocket Motor NLOS-LS	26									I
Warhead NLOS-LS	26									I
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
	1 1									

Exhibit P-40, Budget Item	Justification	Sheet						Date:	February 2008	
Appropriation / Budget Activity / Seri Procurement of W&TCV, Army / 1 /		les			P-1 Item Nomencl CARRIER	lature , MOD (GB1930)				
Program Elements for Code B Items:		Code:	Ot	her Related Prog	gram Elements:					
	Prior Years	FY 2007	FY 200	8 FY 200	9 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										

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	I, Budget Item Justifi	ication Sheet						Date:	February 2008		
Appropriation / Budget A	, 6				P-1 Item Nomeno	clature			10014411 2000		
	of W&TCV, Army / 1 / Tracked com	bat vehicles			CAI	RRIER, MOD (GB	1930)				
Program Elements for Co	de B Items:						Code:	Other R	Related Program Elei	ments:	
Description		Fiscal Years						I			
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total
Prior Year Closed Mo	difications			•		•	'			•	
0-00-00-0000		398.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	398.
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.
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.
Add-on Armor Upgrad	de (AOA)										
0-00-00-0000		111.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111.3
Totals		1395.5	171.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1566.

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Exhibit P-40M Budget Item Justification Sheet

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 TDP Available

May 86 June 86

Installation Schedule

	Pr Yr		FY:	2007			FY 2	2008			FY 2	2009			FY 2	2010			FY 2	2011	
	Totals	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												

			FY	2012			FY 2	2013			FY :	2014			FY 2	2015		То	Totals
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
Input	s																		3338
Outp	uts																		3338

METHOD OF IMPLEMENTATION:

Depot/Contractor

ADMINISTRATIVE LEADTIME:

0 months FY 2009 - PRODUCTION LEADTIME: 0 months

Contract Dates: Delivery Dates: FY 2008 -FY 2008 -

FY 2009 -

FY 2010 -FY 2010 -

GB1930 CARRIER, MOD Item No. 10 Page 3 of 4

Exhibit P-3A Individual Modification

INDIVIDUAL MODIFICATION

Date:

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	TO		To	tal
	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	3338	52.9
Total Procurement Cost		873.4		171.3		0.0		0.0		0.0		0.0		0.0		0.0		0.0		1044.7

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Exhibit P-3A Individual Modification

Exhibit P-40, Budget Item	Justification	Sheet					Γ	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		es		P-1	Item Nomencla	ture CLE (MOD) (GZ230	00)		<u> </u>	
Program Elements for Code B Items: 0203735A		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	293	52	34	1 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	2 33.4	113.6	130.0	48.3	31.0		1273.3
Initial Spares										
Total Proc Cost	640.4	176.4	100.2	2 33.4	113.6	130.0	48.3	31.0		1273.3
Flyaway U/C										
Weapon System Proc U/C										

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.

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Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Track vehicles	ed comb			menclature: (MOD) (GZ2300)			Weapon Syster	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	its	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
Hardware Cost											
1. A3 Vehicle Production			108474	52	2086	75153	34	2210	2026	2 6	3377
1. M7 Vehicle Production											
2. FLIR			10366			7581			136	7	
3. GFE			12483			7069			1730	0	
3.1 Armor Skirts			14940								
SUBTOTAL			146263			89803			2335	9	
4. Engineering Production			20391			3792			367:	5	
5. Government Support			1742			1588			1654	4	
6. Fielding			7241			3832			3570	0	
7. Test & Evaluation			810			1146			1168	8	
SUBTOTAL			30184			10358			1006	7	
Total:			176447			100161			33420	6	

Exhibit P-5a, Budget Procurement	History and Planning							Oate: February	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles	Weapon System Type:		Nomenclature: LE (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	RFI Issu Date
1. A3 Vehicle Production										
	BAE York PA	SS/FP	USATACOM, Warren, Mi	Nov 06	May 08	52	2086	yes		
	BAE York PA	SS/FP	USATACOM, Warren, Mi	Feb 08	Aug 09	34	2210	yes		
	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.

		F	FY 07 /	08 BU	DGET	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEI FIST VE))					Dat	te:	Februa	ry 2008				
	C	OST	ELEM	IENTS							Fiscal '	Year 07	7										Fiscal Y	Year 08	1					
	I	T ~	Innaa						ı																					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year (17								Cale	ndar Ye	ar 08				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1. 4	A3 Vehic	cle Prod	luction																		1		•					•		•
1	FY 07	A	52	0	52		A																		1		6			45
1	FY 08	A	34	0	34																	A								34
1	FY 09	A	6	0	6																									6
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То	tal		92		92																				1		6			85
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						T	V	С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	
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M							-	PRODU	ICTION :	RATES			are a				DMIN I	_		-	MFR		TOTA		REMA BFIST		are pro	duced ui	nder the	Bradley
F			N					ADV.	105	MAN		hed M				Pric	or 1 Oct		r 1 Oct	Aft	er 1 Oct		After 1			n vehicl				
R	BAE,	V1- D		e - Locati	on			MIN 144	1-8-5 300	MAX 984	D-	+	-	nitial			0	_	2		18		20		-					
1	DAE,	TOIK PA	A					144	300	904				eorder			0		5		18		23		-					
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		F	FY 09 /	10 BU	JDGE'	ΓPRO	DDUC	CTIO	N SCI	HEDU	LE			P-1 ITEN FIST VE))					Dat	te:	Februa	ry 2008				
	C	OST	ELEN	1ENTS	5						Fiscal Y	Zear 09)	I.									Fiscal Y	Year 10)					
	1		1	1	1				ı																					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year (9								Cale	ndar Ye	ar 10				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	U	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	Later
1.	A3 Vehi	cle Prod	luction																											
1	FY 07	A	52	7	45		12				12	21																		0
1	FY 08	A	34	0	34											10	10	10	4											0
1	FY 09	A	6	0	6		A																		6					0
			-																											
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То	tal		92	7	85		12				12	21				10	10	10	4						6					
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F											Reac	hed M	FR			Pric	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct		After 1	Oct		venicies ustainme				Bradley ontract.
R			Nan	ne - Locati	ion		N	MIN	1-8-5	MAX	D-	-	1 I	nitial			0		2		18		20					•		
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ſ											1		F	Reorder											1					

GZ2300 FIST VEHICLE (MOD) Item No. 11 Page 5 of 5 60

Exhibit P-40, Budget Item	Justification	Sheet					Г	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		les		P-	1 Item Nomencla BRADLEY	ature PROGRAM (MOD)	(GZ2400)		reditionally 2008	
Program Elements for Code B Items:		Code:	Other	Related Program 0203735.371	n 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	1602.4	204.9	85	.4 311.	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.	323.8	393.7	351.6	12.6	122.8	3409.1
Initial Spares										
Total Proc Cost	1602.4	204.9	85	.4 311.	323.8	393.7	351.6	12.6	122.8	3409.1
Flyaway U/C										
Weapon System Proc U/C										

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.

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Exhibit P-40M	I, Budget Item Justifi		Date:	Date: February 2008												
Appropriation / Budget Ac	ctivity / Serial No:			P-1 Item Nomenclature												
Procurement	of W&TCV, Army / 1 / Tracked comb	oat vehicles			BRADLEY PROGRAM (MOD) (GZ2400)											
Program Elements for Coo	de B Items:		•		Code: A	Other R 0203735	elated Program Elen 5.371	nents:								
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 C	ombat 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 Mod	ls															
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 Armo	or 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 In	nprovements															
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 Award	eness															
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.					

INDIVIDUAL MODIFICATION

Date:

FY 2010 - N/A

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

ı	
ı	Inputs
ı	Inputs Outputs

Inputs Outputs

Contract Dates:

<u> </u>																					
	Pr Yr		FY 2	2007			FY 2	2008			FY	2009			FY 2	2010		FY 2011			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		93	93	93	93		49	49	50												
					93	93	93	93	49	49	50										

	FY 2012				FY 2013				FY 2013				FY 2014				FY 2015		FY 2015			То	Totals
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete							
																	520						
																	520						

METHOD OF IMPLEMENTATION: Troop Installed ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 6 months

FY 2008 - Feb 08

FY 2009 - 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		20	08	20	09	20	10	20	11	2012		20)13	T	C	To	tal
	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	520	0.0
Total Procurement Cost		434.8		115.2		48.0		0.0		0.0		0.0		0.0		0.0		0.0		598.0

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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 Brigadelevel. 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

1	
Inputs	
Outputs	

Inputs Outputs

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

Ī		FY 2	2012			FY 2	2013			FY 2	2014			FY 2	2015		То	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
																		2307
																		2307

METHOD OF IMPLEMENTATION: Installation

Contractor

ADMINISTRATIVE LEADTIME:

7 months

PRODUCTION LEADTIME: 12 months

Contract Dates:

FY 2008 - Apr 08

FY 2009 -

FY 2010 -

Delivery Dates:

FY 2008 - Apr 09

FY 2009 -

FY 2010 -

GZ2400 BRADLEY PROGRAM (MOD) Item No. 12 Page 5 of 10 65

Date: Feb

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	Т	C	To	tal
	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

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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):

Install	ation	Soh	adıı	lΔ

Inputs
Outputs

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

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

METHOD OF IMPLEMENTATION: Depot Teams ADMINISTRATIVE LEADTIME: 4 months

Contract Dates: FY 2008 - Jan 08

Delivery Dates: FY 2008 - Jul 08

FY 2008 - Jul 08

FY 2009 - FY 2009 - FY 2010 -

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Date: I

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	T	C	Tot	tal
	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

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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

Inputs Outputs

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

ľ		FY 2	2012			FY 2	2013			FY 2	2014			FY 2	2015		То	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
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

GZ2400 BRADLEY PROGRAM (MOD) Item No. 12 Page 9 of 10

INDIVIDUAL MODIFICATION Date: February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	TO	C	To	tal
	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										273	
FY 2010 Equip Kits											289								289	
FY 2011 Equip Kits													293						293	
FY 2012 Equip Kits															288				288	
FY 2013 Equip Kits																	11		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

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Exhibit P-40, Budget Item	Justification	Sheet						Pate:		
, 9									February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		eles		P-	1 Item Nomencla HOWITZEI	nture R, MED SP FT 155M	IM M109A6 (MOD)	(GA0400)		
Program Elements for Code B Items:		Code:	Othe	r Related Program 0604854A.016	n 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	1560.2	44.4	22	2.5 28.5	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	2.5 28.9	98.8	157.5	176.9	221.4	43.8	2354.4
Initial Spares										
Total Proc Cost	1560.2	44.4	22	2.5 28.9	98.8	157.5	176.9	221.4	43.8	2354.4
Flyaway U/C										
Weapon System Proc U/C			•							

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	l, Budget Item Justifi	ication Sheet						Date:	February 2008		
Appropriation / Budget A	ctivity / Serial No:				P-1 Item Nomen	clature		•			
Procurement	of W&TCV, Army / 1 / Tracked com	bat vehicles			НО	WITZER, MED SE	FT 155MM M10	9A6 (MOD) (GA0	400)		
Program Elements for Coo	le B Items:						Code: A	Other R 0604854	elated Program Eler IA.016	ments:	
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 Co	ontrol 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 (C	FC 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 Char	ge 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 Mar	nagement (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

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

Inputs	
Outputs	

Pr Yr		FY 2	2007			FY 2	2008			FY 2	2009			FY 2	2010			FY 2	2011	
Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
236		23	23	22	24	24	23	23	48	48	47	47	25	25	24	24	33	33	33	33
226		24	24	26	20	20	20	20	40	46	38	38	25	25	24	24	33	33	33	33

Totals	То		2015	FY 2			2014	FY 2			2013	FY 2			2012	FY 2	
	Complete	4	3	2	1	4	3	2	1	4	3	2	1	4	3	2	1
926														20	30	29	29
926												25	25	26	26	26	26

METHOD OF IMPLEMENTATION:

Production /

ADMINISTRATIVE LEADTIME:

2 months

PRODUCTION LEADTIME: 11 months

Contractor

Inputs Outputs

FY 2008 -

FY 2009 - Nov 08

FY 2010 - Nov 09

Contract Dates: Delivery Dates:

FY 2008 -

FY 2009 - Oct 09

FY 2010 - Oct 10

GA0400 HOWITZER, MED SP FT 155MM M109A6 (MOD) Item No. 13 Page 3 of 8 73

Date: February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	201	10	20	11	20	12	20	13	T	C	Tot	al
	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

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.

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Inputs Outputs

Inputs Outputs

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

Totals	То		2015	FY 2			2014	FY			2013	FY 2			2012	FY	
	Complete	4	3	2	1	4	3	2	1	4	3	2	1	4	3	2	1
896																	
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 -

GA0400 HOWITZER, MED SP FT 155MM M109A6 (MOD) Item No. 13 Page 5 of 8 75

Date: February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	Т	C	Tot	ıal
	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

Item No. 13 Page 6 of 8 76

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

Inputs Outputs

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

Ì		FY 2	2012			FY 2	2013			FY 2	2014			FY 2	2015		То	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
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

Date: February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	007	20	08	20	09	20	10	20	11	20	12	20	13	TO		To	tal
	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																				
System Improvements-STS										2.0		8.6		12.2		9.9				32.7
Fielding										0.9		3.3		4.7		6.2				15.1
Matrix Personnel Support																		3.0		3.0
Project Mgmt Admin										12.1		18.5		19.5		21.9				72.0
Testing										30.2		14.2		3.1		4.2				51.7
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					I	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		es		P-	1 Item Nomencla		ICLE (M88A2 HEF	RCULES) (GA0570)		
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	210	149	80	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

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 / Tracket vehicles	ed comb		OVED RE	omenclature: COVERY VEHIC	LE (M88A2 HER	CULES)	Weapon System	n Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	its	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
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			2145			4608			4811	l	
Engineering Change Orders			2000)		1292			1200)	
Program Management -Core			4000)		1700			2200)	
Project Management - OGA			817	·		1438			976	5	
Transportation			3000	1		1462			680)	
Fielding (TPF & NET)			224			1129			627	7	
Testing (incl analysis & development)			3100			2000			1500)	
Depot Maintenance - Premodification			10909			7866			3659		
Total:			35873	1		258486			132701	ı İ	

Exhibit P-5a, Budget Procurement	History and Planning							Oate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles	Weapon System Type:	P-1 Line Item IMPROVED I	Nomenclature: RECOVERY VEHICLE (M8	8A2 HERCULES	S) (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 0
FY 2008	BAE Systems York, PA	SS-FFP	TACOM	Jan 08	Mar 09	86	2633	YES		Nov 0
FY 2009	BAE Systems York, PA	SS-FFP	TACOM	Jan 09	Mar 10	39	2888	YES		Nov 0
Manufacturing - TAGS										
FY 2007	BAE Systems York, PA	SS-FFP	TACOM	Nov 06	Jul 07	280	14	YES		Sep 0

REMARKS:

ı		F	TV 07 /	' 08 BU	DGET	Γ PR <i>(</i>	DIIC	TIO	N SCI	1FDI	I.E			P-1 ITEN	M NOMI	ENCLA'	ΓURE						Dat	e:						
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	C	OST	ELEN	IENTS	}						Fiscal `	Year 07											Fiscal Y	7ear 08						
		ı	1	1	1				ı												1									_
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	7								Cale	ıdar Ye	ar 08				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	Later
X7-1	.:.1. M-		nin - C-	-4		T	V	С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	
	FY 07	A	ring - Cor	o	149		A														11	11	11	11	11	11	11	11	11	50
	FY 08	A	86				Λ														A	11	11	11	11	11	11	11	11	86
	FY 09	A	39																		Α									39
_	nufactur		1																											
	FY 07	A	280	0	280		A								140	140														0
Tot	o1		554		554										140	140					11	11	11	11	11	11	11	11	11	175
100	aı		334		334	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	173
						C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
M]	PRODU	CTION	RATES							DMIN I			4	MFR		TOTA		REMA		od is av	tended d	no to	
F												hed M				Pri	or 1 Oct		r 1 Oct	Aft	ter 1 Oct		After 1					ntal doll		
R				ne - Locati	on			MIN	1-8-5	MAX	D-		_	itial			0	+	2		14		16		_					
1		-	, York, P					12	72	144	2			order			0		4		14		18		_					
2	BAE S	Systems	, York, P.	A				1200	1680	2400	1			itial			0		2		8		10							
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		FY 09 /	10 BU	DGET	r PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN IMPROV				CLE (M	188A2 H	ERCUL	ES) (GA	.0570)	Da	te:	Februa	ry 2008				
	COST	ELEN	1ENTS	5						Fiscal Y	ear 09											Fiscal Y	Year 10	1					
	ı		1	1				1																					
M	S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	9								Cale	ndar Ye	ar 10				
F F	Y R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Vehicle	Manufact	uring - Co	ntractor																										
1 FY)7 A	149	99	50	11	10	9	10	10																				0
1 FY	08 A	86	0	86						6	6	(6	6	6	9	9	8	8	8	8								0
1 FY)9 A	39	0	39				A														4	4	4	3	3	3	3	15
	cturing - T	CAGS																											
2 FY)7 A	280	280)																									0
		—		L																						_			
Total		554	379	175	11	10	9	10	10	6	6	6	6	6	6	9	9	8	8	8	8	4	4	4	3	3	3	3	15
					O C T	N O V	D E C	J A N	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]	PRODU	ICTION :	RATES						Α	DMIN I	LEAD T	IME		MFR		TOT	AL	REMA					
F										Reac	ned MI	FR.			Pric	or 1 Oct	Afte	r 1 Oct	Af	er 1 Oct		After 1	Oct				d is extental doll		e to
R		Nan	ne - Locati	ion		N	MIN	1-8-5	MAX	D-	1	Ini	tial			0		2		14		16							
	•	s, York, P.					12	72	144	2		Re	order			0		4		14		18							
2 BA	E System	s, York, P.	A			1	1200	1680	2400	1	2	Ini	tial			0		2		8		10	١						
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		F	Y 11 /	12 BU	DGE	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITE IMPRO				CLE (M	88A2 H	ERCUL	ES) (GA	.0570)	Dat	e:	Februa	ry 2008				
	CC)ST	ELEM	IENTS	5						Fiscal `	Year 11											Fiscal Y	ear 12						
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M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 1	1								Caler	ıdar Ye	ar 12				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Vehic	le Mar	ufactui	ing - Cor	ntractor																										
1 F		A	149	149																										0
1 F	Y 08	A	86	86																										0
1 F		A	39	24	15	3	3	3	3	3																				0
		ng - TA		T	1				1	1					1	1			1					1		1	1	1	1	T
2 F	Y 07	A	280	280																										0
-																														
•																														
Total			554	539	15	3	3	3	3	3																				
						O C T	N O V	D E C	J A N	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								PRODU	ICTION	RATES						Α	DMIN I	EAD T	IME		MFR		TOTA	AL	REMA	RKS				
F											Reac	hed M	FR			Pri	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct		After 1	Oct						
R			Nam	ne - Locati	on		1	MIN	1-8-5	MAX	D-	+	1 In	nitial			0		2		14		16							
_			York, PA					12	72	144	2		R	eorder			0		4		14		18							
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Exhibit P-40, Budget Item	Justificatior	Sheet					I	Date:	February 2008					
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		cles		P-	l Item Nomencla ARMOREI	nture O BREACHER VEH	ICLE (G82925)		1 Columny 2008					
Program Elements for Code B Items:		Code:	Other	Related Progran	Elements:									
Proc Qty 13 11 17 27 46 18														
Proc Qty 13 11 17 27 46 18 Gross Cost 41.2 34.7 53.8 80.3 130.1 53.1														
Proc Qty 13 11 17 27 46 18 Gross Cost 41.2 34.7 53.8 80.3 130.1 53.1 3 Less PY Adv Proc 3														
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				

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.

Item No. 15 Page 1 of 5

Exhibit P-40 Budget Item Justification Sheet

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Track vehicles	ed comb		Line Item No RMORED BRI	omenclature: EACHER VEHIC	LE (G82925)		Weapon System	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	CD	Total Cos	t 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	3 11	2953
Fielding Support											
Program Support						500			610)	
Logistics Products						1300			600)	
Matrix Support						950			655	5	
Transportation						224			265	5	
ECP's						714			100)	
Total:						41219			34713	3	

Exhibit P-5a, Budget Procurement	History and Planning							ate: ebruary 2	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles	Weapon System Type:		Nomenclature: BREACHER VEHICLE (G829	(25)						
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	RFI Issu Dat
Hardware									1	
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.

		F	FY 08 /	09 BU	DGE	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITER				CLE (G8	32925)				Dat	te:	Februa	ry 2008				
	C	OST	ELEN	IENTS							Fiscal	Year 08	3										Fiscal Y	Year 09	1					
		1	1	1	1				1																					1
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year (08								Cale	ndar Ye	ar 09				
F R	FY	R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Ha	rdware	1	-1	l			Į			l l		<u> </u>				Į								Į		Į	Į	Į		1
1	FY 08	A	13	0	13					A														1	1	1	1	1	1	7
1	FY 09	A	11	0	11															A										11
_													ļ																	10
То	al		24		24			_	-	_			<u> </u>									-		1	1	1	1	1	1	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							1	PRODU	ICTION	RATES						Α	DMIN I	LEAD T	IME		MFR		TOTA	AL	REMA		1 4 4	:- 1/		4
F											Reac	hed M	FR			Prie	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct		After 1	Oct	ANAD	roductio	ni ieau ti	me is 12	HIOHHIS	s at
R			Nan	ne - Locati	on		N	MIN	1-8-5	MAX	D	+	1 Ir	nitial			0		5		14		19							
1	Annis	ton Arm	ny Depot,	Anniston,	AL			1	12	36			R	eorder			0		3		14		17							
													Ir	nitial																
													R	eorder]					
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													Ir	nitial]					
													R	eorder]					
													Ir	nitial]					
Ī										1			R	eorder						1					1					

Item No. 15 Page 4 of 5 88 Exhibit P-21 Production Schedule

		I	FY 10 /	'11 BU	DGE	ΓPRO	ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN ARMOR				CLE (G8	32925)				Dar	te:	Februa	ry 2008				
	C	OST	ELEN	IENTS	3						Fiscal '	Year 10)	•									Fiscal Y	Year 11						
М		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 1	0								Cale	ndar Ye	ar 11				•
F R	FY	R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
На	rdware	1			1	ı							1				l												l	ı
1	FY 08	A	13	6	7	1	2	2	2																					0
1	FY 09	A	11	0	11					1	1	1		1 1	1	1	1	1	1	1										0
То	tal		24	6	18		2	2	2	1	1	1	1	1	1	1	1	1	1	1										
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
								•	•					·															,	
M]	PRODU	ICTION :	RATES						F	DMIN I	LEAD T	IME		MFR		TOT		REMA		1 4 4	1. 1.4		4
F											Reac	hed M	FR			Pri	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct		After 1	Oct	ANAD	roductio).	n iead ti	ille is 14	· monus	s at
R			Nan	ne - Locati	ion		N	MIN	1-8-5	MAX	D-	+	1 Ir	itial			0		5		14		19							
1	Annis	ton Arn	ny Depot,	Anniston,	AL			1	12	36			R	eorder			0		3		14		17							
													Ir	itial																
													R	eorder																
													Ir	itial																
													R	eorder]					
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													R	eorder]					
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Г											1		р	oordor				1		1					1					

Exhibit P-40, Budget Item	Justification	Sheet							Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		eles			P-	1 Item Nomencla	nture O VEH LAUNCH BF	RIDGE (AVLB) (M		Tebluary 2006	
Program Elements for Code B Items:		Code:		Other Rel	lated Progran	m Elements:					
	Prior Years	FY 2007	FY 2	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

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	I, Budget Item Justifi	cation Sheet						Date:	February 2008		
Appropriation / Budget A	ctivity / Serial No:				P-1 Item Nomeno	clature					
Procurement	of W&TCV, Army / 1 / Tracked comb	oat vehicles			ARN	MORED VEH LAU	INCH BRIDGE (A	AVLB) (MOD) (G	Z3000)		
Program Elements for Co	de B Items:						Code: A	Other R	elated Program Elei	ments:	
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 U	pgrade										
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 Ide	entification 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 Chas	sis 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

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

Inputs Outputs

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

		FY 2	2012			FY 2	2013			FY :	2014			FY 2	2015		То	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
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 -

GZ3000 ARMORED VEH LAUNCH BRIDGE (AVLB) (MOD) Item No. 16 Page 3 of 4

INDIVIDUAL MODIFICATION Date: February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	T	C	Tot	tal
	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					6														6	
Bridge Refurb																				
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					I	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		cles		P	-1 Item Nomencl JOINT AS	ature SAULT BRIDGE (G	Z3001)			
Program Elements for Code B Items:		Code:	Other	Related Progra	m Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				2 1	1 23	3 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

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.

Item No. 17 Page 1 of 5

Exhibit P-40 Budget Item Justification Sheet

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Track-vehicles	ed comb				menclature: T BRIDGE (GZ30	001)		Weapon System	m Type:	Date:	February 2008
WTCV		ID		F	Y 07			FY 08			FY 09	
Cost Elemen	ts	CD	Total C	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	1	
Matrix Support							1884			1447	7	
Program Support							850			850)	
Transportation							350			888	3	
ECPs							200			225	5	
Total:							12840			40464	1	

Exhibit P-5a, Budget Procurement	t History	y and Planning							oate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:	P-1 Line Item JOINT ASSA	Nomenclature: ULT 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 A	Army Depot AL	MIPR	Quantico, VA	Jun 08	Oct 09	2	2903	N/A	N/A	N/A
FY 2009	Anniston A	Army Depot 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.

		I	FY 08 /	09 BU	DGE	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEI JOINT A				3001)					Dar	te:	Februa	ry 2008				
	C	OST	ELEN	IENTS	5						Fiscal `	Year 08	1										Fiscal Y	Year 09						
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year ()8								Cale	ndar Ye	ar 09				-
F R	FY	R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Hz	rdware						•	C	- 11	Б	K	K		11	ь	G	1				11	ь	K	K		11	L	G	1	1
1	ı	Α	2	0	2									A																2
1		A	11	0	11															A										11
To	tal		13		13																									13
						O C T	N O V	D E C	J A N	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	
N								PRODU	ICTION	RATES							DMIN I			-	MFR		TOT		REMA		a lood tie	no io 12	months	at ANAD.
F												hed M	FR			Pri	or 1 Oct		r 1 Oct	Aft	er 1 Oct		After 1		Produc	tion rate	s shown	are year	ly rates	at ANAD.
R				ne - Locati			1	MIN	1-8-5	MAX	D	+	<u> </u>	itial			0		9		16		25							
1	Annis	ton Arn	ny Depot,	Anniston,	AL			1	24	36			Re	order			0		3		13		16							
													In	itial																
													Re	order											1					
													In	itial											1					
													Re	order											1					
													In	itial											1					
													Re	order											1					
													_	itial				1							1					
	1										- 1		D.	ordor		1		1		1		1			1					

		I	FY 10 /	'11 BU	DGE	ΓPRO	ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEI JOINT A				3001)					Dat	te:	Februa	ry 2008				
	C	OST	ELEN	IENTS							Fiscal Y	ear 10)	•									Fiscal Y	Year 11	:					
		S	PROC	ACCEP	BAL									Calenda	r Year 1	.0								Cale	ndar Ye	ar 11				
M		E	QTY	PRIOR	DUE					Б			1 1		1 ,							-							I 6	1
F R	FY	R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	U L	A U G	S E P	Later
Haı	dware																													
1	FY 08	A	2	0	2	1	1																							0
1	FY 09	A	11	0	11				3	3	3	2	!																	0
Tot	al		13		13		1		3	3	3	2																		
						O C T	N O V	D E C	J A N	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								PRODU	CTION	RATES						Α	DMIN I	LEAD T	IME		MFR		TOTA	AL	REMA					
F											Reac	hed M	IFR			Prie	or 1 Oct	Afte	r 1 Oct	Aft	ter 1 Oct		After 1	Oct	JAB pı	oduction	ı lead tii	ne is 13	months	at ANAD.
R			Nan	ne - Locati	on		1	MIN	1-8-5	MAX	D-	-	1 I1	nitial			0		9		16		25							
1	Annis	ton Arn	ny Depot,	Anniston,	AL			1	24	36			R	eorder			0		3		13		16							
													Iı	nitial																
													R	eorder																
													Iı	nitial																
													R	eorder											1					
													Iı	nitial											1					
													R	eorder																
													Iı	nitial																
													R	eorder																

Exhibit P-40, Budget Item	Justification	Sheet					Г	Date:	E-1 2009	
				1					February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		es		P	-1 Item Nomencla M1 ABRAI	ature MS TANK (MOD) (0	GA0700)			
Program Elements for Code B Items:		Code:	Other	Related Progra 0203735.330	m 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	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										

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.

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Exhibit P-40M,	Budget Item Justifica	ation Sheet						Date:	February 2008		
Appropriation / Budget Activi	ity / Serial No:				P-1 Item Nomeno	clature		<u> </u>			
Procurement of V	W&TCV, Army / 1 / Tracked combat	vehicles			M1 .	ABRAMS TANK	(MOD) (GA0700)				
Program Elements for Code E	Items:				1		Code: A	Other R 0203735	elated Program Elen 5.330	nents:	
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.
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.
Abrams Integrated Manag	ement (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.
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.
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.
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.
Other Operational Enhanc	ements										
2-04-05-0011	Operational	20.6	21.3	76.5	86.3	103.9	72.3	75.9	0.0	1000.0	1456.
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.
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.
Situational Awareness/Tar	nk 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.
•	& 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.
Advanced Ammunition In	•										
1-01-05-0011	Operational	4.4	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	9.
Totals		1699.8	828.5	785.0	341.6	253.2	335.0	261.0	25.7	1993.9	6523

GA0700 M1 ABRAMS TANK (MOD) Item No. 18 Page 2 of 18 100

Exhibit P-40M Budget Item Justification Sheet

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):

	lation		

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

Inputs Outputs

Inputs Outputs

		FY 2	2012			FY 2	2013			FY 2	2014			FY 2	2015		То	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
ĺ																		

METHOD OF IMPLEMENTATION:

Contractor Teams FY 2008 - Jan 08 ADMINISTRATIVE LEADTIME:

PRODUCTION LEADTIME: 0 months

Contract Dates: Delivery Dates:

FY 2008 - Jan V

FY 2009 - Jan 09 FY 2009 -

4 months

FY 2010 -

FY 2010 - Jan 10

GA0700 M1 ABRAMS TANK (MOD) Item No. 18 Page 3 of 18 101

Date:

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	Т	C	To	tal
	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

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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

Inputs Outputs

P	Pr Yr		FY 2	2007			FY 2	2008			FY 2	2009			FY 2	2010			FY 2	2011	
Т	otals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	155	36	36	36	36	58	59	59	59	5	5	5	5	5	5	5	6	26	26	28	28
	55	25	25	25	25	36	36	36	36	58	59	59	59	5	5	5	5	5	5	5	6

•		FY 2	2012			FY 2	2013			FY :	2014			FY	2015		То	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
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

FY 2010 - Dec 09

Contract Dates: Delivery Dates: FY 2008 - Dec 07 FY 2008 - Dec 08 FY 2009 - Dec 08 FY 2009 - Dec 09

FY 2010 - Dec 10

GA0700 M1 ABRAMS TANK (MOD) Item No. 18 Page 5 of 18 103

Date: February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	201	10	20	11	20	12	20	13	T	C	To	tal
	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

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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: 2003 Accomplished: 2003

TM Completion.....Planned: 4Q06 MWO Completion......Planned: 4006

Installation Schedule

Inputs	

Outputs

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

_																		
		FY	2012			FY:	2013			FY	2014			FY 2	2015		То	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
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 -

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INDIVIDUAL MODIFICATION Date: February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	r Yrs.	20	007	20	08	20	09	20	10	20	11	20	12	20	13	TO	C	То	tal
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				ł
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
Total Procurement Cost		24.0		3.4		14.0		0.0		0.0		0.0		0.0		0.0		0.0		41.4

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	Scl	hed	lu	le
--------------	-----	-----	----	----

Inputs Outputs

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

	1	2	3
Inputs			
Outputs			

		FY 2	2012			FY 2	2013			FY 2	2014			FY 2	2015		То	Totals
1	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	

METHOD OF IMPLEMENTATION:

Contractor/Depot

ADMINISTRATIVE LEADTIME:

0 months FY 2009 - PRODUCTION LEADTIME: 0 months

Contract Dates: Delivery Dates: FY 2008 -FY 2008 -

FY 2009 -

FY 2010 -FY 2010 -

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Date: February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	007	20	08	20	09	20	10	20	11	20	12	20	13	TO	C	То	tal
	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

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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

netal	lation	Sched	hule

Inputs Outputs

Inputs Outputs

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

		FY 2	2012			FY 2	2013			FY 2	2014			FY 2	2015		То	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
S																		

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 -

GA0700 M1 ABRAMS TANK (MOD) Item No. 18 Page 11 of 18 109

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

FINANCIAL PLAN: (\$ in Millions)

}	Prior	· Vrs	20	07	20	08	20	ng	20	10	20	11	20	12	20	113	TO	٦	То	tal
•	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E	Qij	Ψ	Qij	Ψ	Qiy	Ψ	Qij	Ψ	Qiy	Ψ	Qiy	Ψ	Qiy	Ψ	Qiy	Ψ	Qiy	Ψ	Qiy	Ψ
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

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Exhibit P-3A Individual Modification

February 2008

Date:

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:

Installation Schedule

Outputs

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 in included in contractor costs and not broken out separately.

		Pr Yr			FY 200	17			FY 200	8			FY 2	009				FY 2	2010			FY	2011	
	-	Γotals		1	2	3	4	1	2	3	4	1	2	3	4	1		2	3	4	1	2	3	4
Inputs																								
Outputs																								
		FY 2	2012			FY	2013			FY	2014				FY 20	15					To			Totals
	1 2 3 4					2	3	4	1	2	3	4	1	2	2	3	4			Cor	mplete			
Inputs																								

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 0 months

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

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M1 ABRAMS TANK (MOD) 111 Exhibit P-3A
Individual Modification

Date: Fel

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	007	20	08	20	09	20	10	20	11	20	12	20	13	TO	C	То	tal
	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
Total Procurement Cost		137.0		252.7		396.0	_	15.0	_	12.6		5.0	_	0.0	_	0.0		0.0	_	818.3

Item No. 18 Page 14 of 18Exhibit P-3A112Individual 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:

Installation Schedule

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.

		Pr Yr			FY 2	2007				FY 200	8			F.	Y 2009				FY :	2010			FY	2011	
	-	Γotals		1	2	3	4	1	2	2	3	4	1	2	3		4	1	2	3	4	1	2	3	4
Inputs																									
Outputs																									
		FY	2012				FY 201	.3			F	Y 2014				FY	2015					То			Totals
	1	2	3	1	2	3	4	1	2	3	3	4	1	2	3	3	4		Cor	mplete					
Inputs																									
Outputs																									

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 0 months

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

GA0700 M1 ABRAMS TANK (MOD) Item No. 18 Page 15 of 18 Exhibit P-3A
113 Exhibit P-3A
Individual Modification

Date: Febr

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	TO	C	То	otal
	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																				l
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		264.7		213.8		185.9		195.3		101.7		65.0		56.1		0.0		0.0		1082.5

Date: F

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

Inputs Outputs
Outputs

D. W		EM	2007			EM	2000			EM	2000			EM (2010			EM (2011	
Pr Yr		FY 2	2007			FY 2	2008			FY 2	2009			FY	2010			FY 2	2011	
Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
2457	307	307	307	308	308	307	307	307												
1228	307	307	307	308	307	307	307	308	308	307	307	307								

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

METHOD OF IMPLEMENTATION:

Depot/Contractor

ADMINISTRATIVE LEADTIME:

7 months

PRODUCTION LEADTIME: 12 months

FY 2010 -

Contract Dates: Delivery Dates: FY 2008 - Dec 07 FY 2008 - Dec 08 FY 2009 -FY 2009 -

FY 2010 -

GA0700 M1 ABRAMS TANK (MOD) Item No. 18 Page 17 of 18 115

Date: Febr

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	Т	C	To	tal
	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	4915	0.0
Total Procurement Cost		4.4		2.7		2.7		0.0		0.0		0.0		0.0		0.0		0.0		9.8

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		_				_			_	
Exhibit P-40, Budget Item .	Justification	Sheet						Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		les			P-1 Item Nomencl SYSTEM	ature ENHANCEMENT PO	GM: SEP M1A2 (GA0730)		
Program Elements for Code B Items:		Code:	Other	Related Prog	ram 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
Danamintian		<u> </u>		•	•	•	•	•	•	

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 / Track vehicles	ed comb			menclature: NCEMENT PGM	: SEP M1A2 (GA	.0730)	Weapon Syste	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	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		Α	528455	240	2202						<u> </u>
FLIR		Α	92268	240	384						1
GFE		Α	210152								1
M1A2 Depot-Maintenance Pre-MOD		Α	106979	240	446						1
STS, TPF, ST&TS, Gov't Spt			215783								I
Total:			1153637]

Exhibit P-5a, Budget Procurement	Histor	y and Planning							Oate: Tebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:		Nomenclature: HANCEMENT PGM: SEP M	1A2 (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 H	gts, 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:

		F	Y 07 /	08 BU	DGE	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITE SYSTEM	M NOME M ENHA			M: SEP	M1A2 (GA0730)		Dat	e:	Februa	ıry 2008				
	C	OST	ELEM	IENTS							Fiscal '	Year 0	7	II.									Fiscal Y	ear 08						
			1	1	1				1												ı									_
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ır Year 0	17								Caler	ndar Ye	ar 08				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U 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	Later
SEI	P								1	I											l I						I			1
1	FY 07	A	240	0	240		A																							240
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Tot	al		240		240																					-				240
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1	Joint S	ystems	Manufact	turing, Lir	na, OH			60	300	840				Reorder			0		0		0		0							
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	1										1			Reorder											-					
	-										+		H	nitial		\perp		1							1					
	1										1			Reorder		\perp		1							1					
	-										+		H	nitial		-		1							1					
											-			Reorder				1							1					
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	1									l			F	Reorder		1		1		1					1					

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		F	FY 09 /	10 BU	DGET	r PR(ODUC	TIO	N SCI	HEDU	LE			P-1 ITEN SYSTEM				M: SEP	M1A2 (0	GA0730)		Da	te:	Februa	ry 2008				
	C	OST	ELEN	IENTS	5						Fiscal Y	Year 09)	•									Fiscal Y	Year 10)					
		1 -	T	l	T				ı												I									
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	9								Cale	ndar Ye	ar 10				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
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1	FY 07	A	240	0	240		20	20	20	20	20	20	2	20	20	20	20	20												0
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Tot	al		240		240	0	20	20 D	20	20 F	20 M	20	20	20	20	20	20	20 O	N	D		F	34			т.			S	
						C T	N O V	E C	J A N	E B	A R	A P R	M A Y	J U N	J U L	A U G	S E P	C T	N O V	E C	J A N	E B	M A R	A P R	M A Y	J U N	J U L	A U G	E P	
M							I	PRODU	CTION	RATES						Α	DMIN I	EAD T	IME		MFR		TOT	AL	REMA	RKS				
F											Reac	hed M	FR			Prie	or 1 Oct	After	r 1 Oct	Aft	ter 1 Oct		After 1	Oct						
R				e - Locati					1-8-5	MAX	D-	+	1 In	itial			0		2		24		26	j						
1	Joint S	Systems	Manufac	turing, Lir	na, OH			60	300	840			-	eorder			0		0		0		0							
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Item No. 19 Page 5 of 5 121 Exhibit P-21 Production Schedule

Exhibit P-40, Budget Item	Justification	Sheet						Date:	Echminary 2009	
Appropriation / Budget Activity / Seri Procurement of W&TCV, Army / 1 /		les		J	2-1 Item Nomencl	ature UPGRADE PROGRA	AM (GA0750)		February 2008	
Program Elements for Code B Items:		Code:	Othe	er Related Progra 0203735A.D3						
	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	0		240
Gross Cost	5379.2	596.4	225	5.0 351	.2 351.1	351.4	332.4	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	5.0 351	.2 351.1	351.4	332.4	4 13.3		7599.9
Initial Spares	3731.4								1856836.5	1860567.9
Total Proc Cost	9110.5	596.4	225	5.0 351	.2 351.1	351.4	332.4	4 13.3	1856836.5	1868167.9
Flyaway U/C										
Weapon System Proc U/C		6.1	1:	1.3	.1 11.7	9.0	11.	1		61.2

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.

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Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracket vehicles	ed comb			menclature: ADE PROGRAM	I (GA0750)		Weapon System	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	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
Basic Vehicle		Α	274400	98	2800	77587	20	3879	11566	29	3988
FLIR		A	33969	98	347	7961	20	398	11792	2 29	407
GFE		A	40102			3659			542	1	
Armor		A	55643	98	568	12863	20	643	19053	3 29	657
Depot Maint Pre-Mod		A	66790	98	682	14171	20	709	20989	9 29	724
STS, TPF, ST&TS, Gov't Spt		A	125447			108759			17826	4	
Total:			596351			225000			351179	9	

Exhibit P-5a, Budget Procurement	History and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles	Weapon System Type:		Nomenclature: PGRADE PROGRAM (GA075	50)						
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	RFI Issu 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:

		F	FY 07 /	08 BU	DGET	r PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEI ABRAM				M (GA()750)				Dat	te:	Februa	ry 2008				
	C	OST	ELEM	IENTS	;						Fiscal `	Year 07	,	•									Fiscal Y	Year 08						
·		S	PROC	ACCEP	BAL									Calenda	r Year 0	7								Cale	ndar Ye	ar 08				
M		Е	QTY	PRIOR			ı	1					ı	1			1 1						ı	1		ı	1	1		
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Basi	c Vehic	le																												
1	FY 07	A	98	0	98										A															98
1	FY 08	A	20	0	20																	A								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
Tota	ıl		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							1	PRODU	JCTION :	RATES						Α	DMIN I	LEAD T	IME		MFR		TOTA	AL	REMA	RKS				
F												hed M	FR			Pri	or 1 Oct		r 1 Oct	Aft	ter 1 Oct		After 1							
R				e - Locati				MIN	1-8-5	MAX	D-	+	1 In	itial			0		10		30		40							
1	Joint S	ervice l	Mfg Corp	, Lima, Ol	H			60	120	300			R	eorder			0		5		35		40							
													In	itial																
													R	eorder																
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													In	itial																
													R	eorder																

		F	FY 09 /	10 BU	DGET	r PRC	DDUC	CTIO	N SCI	HEDU	LE			P-1 ITEN ABRAM				M (GA0	0750)				Date	e:	Februa	ry 2008				
	CO	OST	ELEM	IENTS	}						Fiscal Y	Year 09)										Fiscal Y	ear 10						
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	9								Cale	ndar Ye	ar 10				
	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Basic	Vehic	le																		-								-		<u>I</u>
1 F		A	98	0	98																8	8	8	8	8	8	8	8	8	26
1 F		A	20	0	20																									20
		A	29	0	29		A																							29
1 F	Y 10	A	30	0	30														A											30
1 F	Y 11	A	39	0	39																									39
1 F	Y 12	A	30	0	30																									30
Total			246		246																8	8	8	8	8	8	8	8	8	174
						O C T	N O V	D E C	J A N	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							I	PRODU	ICTION 1	RATES						A	DMIN I	LEAD T	IME		MFR		TOTA	AL	REMA	RKS				•
F											Reac	hed M	FR			Prio	or 1 Oct	Afte	r 1 Oct	Aft	ter 1 Oct		After 1	Oct						
R				e - Locati				MIN	1-8-5	MAX	D-	+	1 In	itial			0		10		30		40							
1	oint Se	ervice l	Mfg Corp	, Lima, Ol	Н			60	120	300			Re	eorder			0		5		35		40							
													In	itial																
													Re	eorder																
													In	itial											_					
													Re	eorder																
													In	itial																
													Re	eorder																
													In	itial																
													Re	eorder																

		F	FY 11 /	12 BU	DGET	r PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN ABRAM				M (GA0	0750)				Da	te:	Februa	ry 2008				
	C	OST	ELEM	IENTS	;						Fiscal Y	Year 11		l									Fiscal Y	Year 12						
																					1									
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 1	1								Cale	ndar Ye	ar 12				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Bas	ic Vehic	ele							1		<u> </u>																			•
1	FY 07	A	98	72	26	8	9	9																					ĺ	0
1	FY 08	A	20	0	20				1	1	1	1		2 2	2	2	2	2	2	2									i	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																								ĺ	30
1	FY 11	A	39	0	39		A																						ĺ	39
1	FY 12	A	30	0	30														A										l	30
																													l	
																													i	
																													<u> </u>	
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Tot	al		246	72	174	8	9	9	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	108
						O C T	N O V	D E C	J A N	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]	PRODU	ICTION	RATES						Α	DMIN I	LEAD T	IME		MFR		TOT	AL	REMA	RKS				
F											Reac	hed M	FR			Pric	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct	;	After 1	Oct						
R			Nam	ne - Locati	on		N	MIN	1-8-5	MAX	D-	+	l In	itial			0		10		30		40							
1	Joint S	Service I	Mfg Corp	, Lima, Ol	Н			60	120	300			Re	eorder			0		5		35		40							
													In	itial																
													Re	eorder																
													In	itial											1					
													Re	eorder											1					
													In	itial											1					
													R	eorder											1					
													In	itial											1					
													-	eorder											1					

		F	Y 13 /	14 BU	DGET	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEI ABRAM				M (GA0)750)				Dat	te:	Februa	ry 2008				
	CO	ST	ELEM	IENTS	}						Fiscal Y	Year 13	3										Fiscal Y	Year 14						
					T																									
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 1	.3								Caler	ıdar Ye	ar 14				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Basic '	Vehicle	e											_																	
1 FY		A	98	98																										0
1 FY		A	20	20																										0
1 FY	7 09	A	29	20	9	3	3	3																						0
1 FY	10	A	30	0	30				2	2	2	2	:	2 2	3	3	3	3	3	3										0
1 FY	11 4	A	39	0	39																3	3	3	3	3	3	3	3	3	12
1 FY	12	A	30	0	30																									30
T-4-1			246	138	108	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	42
Total			240	138	108	0				F				J						D D	J	5 F	M			J	J			42
						C T	N O V	D E C	J A N	E B	M A R	A P R	M A Y	U N	J U L	A U G	S E P	O C T	N O V	E C	A N	E B	A R	A P R	M A Y	U N	U L	A U G	S E P	
M]	PRODU	ICTION :	RATES						Α	DMIN I	LEAD T	IME		MFR		TOTA	AL	REMA	RKS				•
F											Reac	hed M	IFR			Pric	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct		After 1	Oct	_					
R			Nan	e - Locati	on		N	MIN	1-8-5	MAX	D-	F	1 In	itial			0		10		30		40		_					
1 Jo	oint Se	rvice N	Mfg Corp	, Lima, Ol	Н			60	120	300			R	eorder			0		5		35		40							
													In	itial																
													R	eorder																
													In	itial																
													R	eorder																
													In	itial																
													R	eorder																
													In	itial																
												Ī	R	eorder																

		F	FY 15 /	16 BU	DGE	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITE! ABRAM				M (GA0)750)				Dat	te:	Februa	ry 2008				
	C	OST	ELEM	IENTS	5						Fiscal '	Year 15	5	•									Fiscal Y	Year 16						
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 1	.5								Cale	ndar Ye	ar 16				-
F R	FY	R V	Units	TO 1 OCT	AS OF	O C T	N O	D E	J A	F E	M A	A P	M A Y	J U	J U	A U	S E	O C	N O	D E	J A N	F E	M A	A P	M A	J U	J U	A U G	S E	Later
Dooi	c Vehic	10				1	V	С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	<u> </u>
	FY 07	A	98	98																		1					1	1		0
_	FY 08	A	20		1								1																	0
	FY 09	A	29																											0
_	FY 10	A	30																											0
-	FY 11	A	39			4	4	4					1																	0
	FY 12	A	30						2	2	2	2	!	2 2	3	3	3	3	3	3										0
1																														
Tota	1		246	204	42		4	4	2	2	2	2	2	2	3	3	3	3	3	3										
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	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								PRODU	ICTION	RATES						Α	DMIN I	LEAD T	IME		MFR		TOT	AL	REMA	RKS				
F											Reac	hed M	IFR			Pri	or 1 Oct	Afte	r 1 Oct	Af	ter 1 Oct		After 1	Oct						
R			Nam	ne - Locati	ion		1	MIN	1-8-5	MAX	D-	+	1 In	nitial			0		10		30		40							
1	Joint S	ervice l	Mfg Corp	, Lima, Ol	Н			60	120	300			R	eorder			0		5		35		40							
													Ir	itial																
													R	eorder																
													It	nitial																
										<u> </u>				eorder											1					
													_	nitial											4					
											_		-	eorder		_									4					
											_		-	nitial				-							4					
							1				1		R	eorder						1					1					

Exhibit P-40, Budget Item	Justification	Sheet						Date:	February 2008	
Appropriation / Budget Activity / Seri Procurement of W&TCV, Army / 1 /	al No: Tracked combat vehicle	les			P-1 Item Nomencl ITEMS LE	ature SS THAN \$5.0M (T	CV-WTCV) (GL31	00)		
Program Elements for Code B Items:		Code:	Ot	her Related Progr	am Elements:					
	Prior Years	FY 2007	FY 200	8 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										
Provides for procurement/assembly of vehicles. Justification: FY2009 has no funding.		Corgunizationa		nee toorshop see	5. This equipment	mas mant applic				on an incred

Exhibit P-40, Budget Item	Justification	Sheet						I	Date:	February 2008	
Appropriation / Budget Activity / Ser. Procurement of W&TCV, Army / 1		es			P-1	Item Nomencla PRODUCTI	ture ON BASE SUPPOR	T (TCV-WTCV) (C		reditary 2008	
Program Elements for Code B Items:		Code:	Othe	Related Progr	ram I	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	1	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			•								

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 equipm

, 1	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Track vehicles	ed comb			menclature: BASE SUPPORT	(TCV-WTCV) (G	A0050)	Weapon System	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Element	ts	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	2	
LIF			339			447			454	4	
Total:			11638			7708			7130	6	

Exhibit P-40, Budget Item	Justification	Sheet						Ι	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		eles]	P-1 Item N		nture IBUS(TCV-WTCV)	(GA2001)			
Program Elements for Code B Items:		Code:	Othe	r Related Progr	ım Eleme	ats:					
	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	5.7	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	5.7	6.3	2.7	0.5	0.6		369.4
Initial Spares											
Total Proc Cost	334.1	11.3	7	.3	5.7	6.3	2.7	0.5	0.6		369.4
Flyaway U/C											
Weapon System Proc U/C			·								

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						Γ	Date:	E-1 2009	
										February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 1 /		les			P-1	Item Nomencla LAYAWAY	iture Y OF INDUSTRIAL	FACILITIES (GA2	100)		
Program Elements for Code B Items:		Code:	Othe	r Related Prog	ram	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	9	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost	40.3	0.3	().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	().4	0.5	0.5	0.5	0.6	0.6		43.8
Initial Spares											
Total Proc Cost	40.3	0.3	().4	0.5	0.5	0.5	0.6	0.6		43.8
Flyaway U/C											
Weapon System Proc U/C											

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 / Seria Procurement of W&TCV, Army / 2 /		mbat vehicles		P-1	Item Nomencla	iture R, LIGHT, TOWED,	, 105MM, M119 (0	G01300)		
Program Elements for Code B Items:		Code:	Other I	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

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 / Weap combat vehicles	ons and		Line Item No VITZER, LIC	omenclature: GHT, TOWED, 10)5MM, M119 (G0	1300)	Weapon Syster	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	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		Α	2106	50 27	780	82695	111	745	8973	0 90	997
Basic Issue Items & Initial Spares			282	.2		3468			6682	2	
Test / Acceptance			489	9		4926			6420	0	
System Eng / Program Mgt / Fielding			899	9		9926			15599	9	
Total:			3778	0		101015			11843	1	

Exhibit P-5a, Budget Procureme	nt History and Planning							oate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other cor	Weapon System Type:	P-1 Line Item N HOWITZER, L	Nomenclature: LIGHT, TOWED, 105MM, N	1119 (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								ŀ		
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).

		F	Y 07 /	08 BU	DGET	r PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITE HOWIT				105MM,	, M119 (G01300)		Dat	e:	Februa	ary 2008				
	C	OST	ELEM	IENTS	}						Fiscal `	Year 07	,	1									Fiscal Y	ear 08						
			1	1																										
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ır Year ()7								Caler	ndar Ye	ar 08				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
M1	19A2 10											I.	1	ı				ı							ı					
1	FY 06													6	6	6	6	10	10	10	10	10	10	10	10	10	10	38		
1	FY 07																											27		
1	FY 08	A	111	0	111															A										111
1	FY 09	A	90	0	90																									90
																													<u></u>	
																													<u> </u>	
																													<u></u>	
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Tot	al		390		390											6	6	6	6	10	10	10	10	10	10	10	10	10	10	266
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Exhibit P-40, Budget Item	Justification	Sheet						Date:	February 2008						
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		ombat vehicles		P-1	Item Nomencla M240 Medi	uture um Machine Gun (7	62mm) (G13000)		<u> </u>						
Program Elements for Code B Items:	ram 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	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					

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 / Weapon combat vehicles	ns and			menclature: fachine Gun (7.62)	mm) (G13000)		Weapon System	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	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. M240 Series Weapons											
(Incls Blank Firing Device)											
Hardware (Infantry Version - M240B)		A	90403	12085	7				3089	2 4000	8
Hardware (Aviation Version - M240H)		A	8558	818	10						
Hardware (Light Weight Version - M240E6)		В				40959	3000	14	2695	3 1900	14
2. Engineering Support			2766			2001			196	5	
3. Integrated Logistics Support			300			300			25	0	
4. Engineering Change Proposals			300			400			15	0	
5. Total Package Fielding			350			300			35	0	
6. Engineering Studies			351			500			23	4	
7. New Equipment Training			200			200			17:	5	
8. First Destination Transportation			155			120			25.	5	
9. RFI Barrel Bags			31						11	0	
Total:			103414			44780			6133	4	

Exhibit P-5a, Budget Procure	ement Histor	y and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other	ner combat vehicles	Weapon System Type:	P-1 Line Item M240 Mediun	Nomenclature: n Machine Gun (7.62mm) (G	13000)						
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	RFI Issu Date
1. M240 Series Weapons											
Hardware (Infantry Version - M240B)										1	
FY 2007	FN Mfg I Columbia		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)										1	
FY 2007	FN Mfg I Columbia		Option	TACOM RI, Rock Island, IL	Jan 07	Sep 07	818	10			
Hardware (Light Weight Version - M240E6)										1	
FY 2008	FN Mfg I Columbia		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		

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	C	OST	ELEM	IENTS							Fiscal Y	ear 11											Fiscal Y	Year 12						
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3	FY 09	A																												0
1	FY 07	AF	7																											0
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	FY 06 P	MC	3302																											0
1	FY 07	MC	838	838																										0
	FY 06 P	NA	3085																											3085
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	C	OST :	ELEM	1ENTS	•						Fiscal Y	Year 11											Fiscal Y	Year 12						
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Ha	rdware C	onversi	on (M240	0-M240B)	*										<u> </u>															
	FY 06 P	A	1000	1000																										0
Ha	rdware (Aviatior	Version	- M240H))										<u> </u>															
1	FY 07	A	818	818																										0
1	FY 07	CG	15	15									<u> </u>																	0
Ha	rdware (I	_ight W	eight Ver	rsion - M2	40E6)																									
	FY 08	A	3000	3000									<u></u>																	0
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Exhibit P-40, Budget Item .	Justification	Sheet					Γ	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		ombat vehicles		P-	l Item Nomencla MACHINE	ature GUN, CAL .50 M2	ROLL (GB2000)	· · · · · · · · · · · · · · · · · · ·	Cordary 2000	
Program Elements for Code B Items:		Code:	Other	Related Progran	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	192	4 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		0.1

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					Ι	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		mbat vehicles		P-	1 Item Nomencla MACHINE	ature GUN, CAL .50 M-2	FLEX (G10900)		<u> </u>	
Program Elements for Code B Items:		Code:	Othe	r Related Program	n 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	192	24 616	7 5968	5782	5132	1229		31316
Gross Cost	14.9	41.4	32	.1 99.	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.	98.2	95.2	84.5	20.2		486.3
Initial Spares										
Total Proc Cost	14.9	41.4	32	.1 99.	98.2	95.2	84.5	20.2		486.3
Flyaway U/C										
Weapon System Proc U/C	0.0									0.0

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 / Weap combat vehicles	ons and			omenclature: I, CAL .50 M-2 FI	LEX (G10900)		Weapon System	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	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. Hardware											
M2 Systems		A	3429	3 2691	13	27898	1924	15	89422	6167	1:
MK93 Mounts			37	5 2688	1	2797	1925	1	8961	6167	
M2 Conversions			240	2							
2. Production Engineering			50	0		454			564	1	
3. Integrated Logistics Support			10	0		150			150)	
4. Production Verification Test / FAT						200					
5. Fielding				9		50					
6. First Destination Transportation			30	0		200			400)	
7. Engineering Studies						350			384	1	
TOTAL			4130	9		32099			99881	1	
Total:			4130	9		32099			99881	1	

Exhibit P-5a, Budget Procuremen	t Histor	y and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other comb	at vehicles	Weapon System Type:		Nomenclature: UN, CAL .50 M-2 FLEX (G10	9900)						
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- Burlington	Armament & Tech Prod n, 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 Bus TBS	siness, 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 Bus TBS	siness, 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.

FYOTO A 2887 0																														
N			FY 07	/ 08 BU	JDGET	r PRC	DUC	CTIO	N SCI	HEDU	LE							LEX (C	G10900)				Dat	te:	Februa	ry 2008				
Note Process		COS	Γ ELEN	1ENTS	3]	Fiscal Y	ear 07											Fiscal Y	Year 08						
Note Process				ı	1				1											1										
Paris Pari	М													Calenda	r Year 0	7								Caler	ıdar Ye	ar 08				
																											J			
	R	V		1 OCT	1 OCT	C T	O V	E C	A N	E B	A R		A Y			U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y		U L	U G	E P	Later
2 FY O7	M2 Sys	ems	•																											
2 70 70 70 70 70 70 70	1 FY	07 A	2587	0	2587										A									100	100	100	170	170	160	1787
1	2 FY	07 A	104	0	104																				A					104
Proprior Proprior	2 FY	08 A	1519	0	1519																				A					1519
3 FY 09 A 1565 0 1565	3 FY	08 A	405	0	405																				A					405
1	2 FY	09 A	4602	. 0	4602																									4602
P P P P P P P P P P	3 FY)9 A	1565	0	1565											ļ														1565
2 FY 08 AF		Y 07 AF 204 0 204														 								23						0
3 FY 08 AF 6 0 0 6 0 0 0 0 0 0	1 FY	7 08 AF 24 0 24																									15	15	40	134
1 FY 07 AR	2 FY	08 AF 6 0 6																												24
FYOT FMS 01 0 01 0 01 0 01 0 0	3 FY	08 AF	6	0	6											·———														6
Proper P	1 FY	07 AR	80	0	80																						15	15	50	0
Mance - Location Min 1-8-5 Max M	1 FY	07 FM	61	0	61																									61
Minorial Control Con	2 FY	7 08 FMS 1135 0 1135																												1135
F Name - Location						C	O	E	A	E	A	P	A	U	U	U	E	C	О	E	A	E	A	P	A	U	U	U	E	
F Name - Location									•	*	,			•			•													
R]	PRODU	ICTION 1	RATES											MFR		TOTA	AL	REMA	RKS				
1 Gen Dyn-Armament & Tech Prod, Burlington, VT 300 2400 4800 Reorder 3 1 13 14 2 TBS, TBS 300 2400 5160 2 Initial 3 7 13 20 3 Small Business, TBS, TBS 300 1800 3750 Reorder 3 2 11 13 4 Franching Control of the product	.											<u> </u>	_			Pric	or 1 Oct			Aft	er 1 Oct		After 1	Oct						
2 TBS, TBS 300 2400 5160 2 Initial 3 7 13 20 3 Small Business, TBS, TBS 300 1800 3750 Reorder 3 2 11 13 4 Company of the company of	_										D-	- 1	Ini	tial			3		9		10		19							
3 Small Business, TBS, TBS 300 1800 3750 Reorder 3 2 11 13		9										_																		
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Reorder 3 2 20 22 Initial Reorder 0	3 Sn	all Busi	iess, TBS, T	ΓBS				300	1800	3750			_												_					
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Reorder Initial	-															$+\!\!-$	3		2		20		22							
Initial Initia											-	_				+									-					
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		F	Y 07 /	08 BU	DGET	r PR(DUC	CTIO	N SCI	HEDU	LE			P-1 ITEM I MACHINE				LEX (G	310900)				Date	e:	Februar	y 2008				
	C	OST 1	ELEM	IENTS]	Fiscal Yea	r 07	•										Fiscal Y	ear 08						
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE								(Calendar `	Year 07	7								Caler	ndar Yea	ır 08				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	A	P	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	Later
3	FY 08	FMS	282	0	282																									282
	FY 06 P	МС	1782	0	1782										153	2				422	356	320	400	129						0
1	FY 07	MC	972	0	972																			25	100	100	40	40	75	592
2	FY 08	MC	240	0	240																									240
3	FY 08	MC	60	0	60																									60
	FY 06 P	NA	73	0	73																			73						0
1	FY 07	NA	1053	0	1053																			25	100	100	60	60	75	633
2																180														
3																44														
	FY 08 NA 44 0 44																													
Γot	al		17001		17001										153	2				422	356	320	400	375	300	300	300	300	400	13373
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M								PRODU	CTION	RATES						A	DMIN L	EAD T	IME		MFR		TOTA	AL	REMA	RKS				
F											Reached	MFR				Prio	r 1 Oct	After	r 1 Oct	Aft	er 1 Oct		After 1	Oct						
R				e - Locati				MIN	1-8-5	MAX	D+	1	Initi	ial			3		9		10		19							
1			ament &	Tech Prod	, Burling	ton, VT		300	2400	4800			Reo	rder			3		1		13		14							
2 TBS, TBS 300 2400												2	Initi	ial			3		7		13		20							
3	Small	Business	s, TBS, T	BS				300	1800	3750			-	rder		_	3		2		11		13							
												3	Initi			_	3		7		18		25							
											-	-	+	rder		1	3		2		20		22		1					
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								+				-	Initi	ıal		+									-					

		F	Y 09 /	10 BU	DGET	r PRC	DUC	CTIO	N SCI	IED U	LE			P-1 ITEM MACHIN				FLEX (C	310900)				Dat	e:	Februa	ry 2008				
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			1	1	1				1												1									
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calendaı	: Year 0	9								Caler	ndar Yea	ar 10				
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M2	System	s		I	1									1 1																
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2	FY 07	A	104	0	104								104	1																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
	FY 06 P	AF	23	23											í															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
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1	FY 06 P	NA	73	73																										0
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Exhibit P-40, Budget Item	Justification	Sheet						Date:	February 2008	
Appropriation / Budget Activity / Seri Procurement of W&TCV, Army / 2 /		mbat vehicles		P-:	Item Nomencla M249 SAW	ture Machine Gun (5.56	5mm) (G12900)			
Program Elements for Code B Items:		Code:	Other I	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

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 / Weap combat vehicles	ons and			menclature: hine Gun (5.56mn	n) (G12900)		Weapon System	m Type:	Date:	February 2008
WTCV		ID	·	FY 07			FY 08			FY 09	
Cost Elemen	ts	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. M249 SAW Weapon		Α	24264	6533	3.7	43194	10690	4.0	2133	9 5150	4.1
2. Engineering Support			1822			611			53	5	
3. Testing			300								
4. Integrated Logistics Support (ILS)			300			150			7	5	
5. Total Package Fielding (TPF)			300			150			7	5	
6. Engineering Studies											
7.First Destination Transportation (FDT)			182			170			11	0	
8. RFI - Barrel Bags			1647								
Total:			28815			44275			2213	4	

Exhibit P-5a, Budget Procuren	ent Histor	y and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other	combat vehicles	Weapon System Type:	P-1 Line Item M249 SAW M	Nomenclature: Iachine Gun (5.56mm) (G1290	0)						
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	RF Issu Da
I. M249 SAW Weapon											
FY 2007	FN Mfg I Columbia		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:

		F	FY 07 /	08 BU	DGET	r PRC	DUC	CTIO	N SCI	HEDU	LE			P-1 ITEM M249 SA				m) (G12	2900)				Date	e:	Februar	y 2008				
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2 I	FY 07	A	3419	0	3419																A						400	400	400	2219
2 I	FY 08	A	10690	0	10690																		A							10690
2 I	FY 09	A	5150	0	5150																									5150
1 I	FY 06	AF	AF 71 0 71 35																											0
1 H	FY 06	FMS																												0
1 I	FY 06	МС	1497	200	1297	40	100	179	200	200	200	357							21											0
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Item No. 26 Page 5 of 7 164 Exhibit P-21 Production Schedule

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1 FY	7 06	AF	71	71																										0
1 FY	7 06	FMS	507	507																										0
1 FY	7 06	MC	1497	1497																										0
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F R	FY	R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Γot	al		36888	18115	18773	750	750	750	683	891	891	891	891	891	891	891	891	891	891	890	890	890	890	890	890	890	700			
						O C T	N O V	D E C	J A N	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								PRODU	CTION	RATES						A	DMIN I	LEAD T	IME		MFR		TOTA	AL	REMA	RKS				
F											Reac	hed M	FR			Pric	or 1 Oct	Afte	r 1 Oct	Aft	ter 1 Oct		After 1	Oct						
R			Nam	e - Locatio	on		1	MIN	1-8-5	MAX	. D-	+	1 Ir	itial			3		9		10		19							
1	FN Mf	g Inc, C	olumbia	SC				1500	2600	10690	18		R	eorder			3		4		10		14							
2	TBS, T	BS, TBS 1500 2600 9000 18 2 Initial														3		5		12		17								
		Reorder													3		6		11		17									
		Initial																												
													R	eorder																
													Ir	itial																
													R	eorder				1												
													-	itial						1					-					
	1						1			1	1	1	ID	ordor		1		1		1		- 1			1					

Exhibit P-40, Budget Item	Justification	Sheet						Date:	February 2008	
Appropriation / Budget Activity / Seri. Procurement of W&TCV, Army / 2 /		mbat vehicles		P-1	Item Nomencla MK-19 Gree	iture nade Machine Gun (4	10mm) (G13400)			
Program Elements for Code B Items:		Code:	Other I	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

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 / Weap combat vehicles	ons and			menclature: Machine Gun (40r	mm) (G13400)		Weapon System	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	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. MK-19 Hardware		Α	49010	2832	17	28656	1683	17	1442	3 785	18
2. GFM			2283			4225			206	4	
3. Engineering Support			1983			2027			54	1	
4. Integrated Logistics Support (ILS)			100			254			15	0	
5. Fielding			200			300			15	0	
6. First Destination Transportation						143					
7. Arms Rack						597					
8. New Equipment Training			63								
Total:			53639			36202			1732	8	

Exhibit P-5a, Budget Procurem	ent Histor	ry and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other of	combat vehicles	Weapon System Type:		Nomenclature: de Machine Gun (40mm) (G	13400)						
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	RFI Issu Date
1. MK-19 Hardware											
FY 2007	Gen Dyn Saco, Ma	Armament & Tech Prod ine	1	JM&L LCMC, Picatinny,NJ	Sep 07	Mar 08	559	17			
FY 2007	TBS TBS			JM&L LCMC, Picatinny,NJ	May 08	May 09	2273	17			
FY 2008	TBS TBS			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:

		F	Y 07	08 BU	DGET	r PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEM MK-19 G)mm) (G	313400)				Dat	e:	Februar	ry 2008				
	C	OST	ELEN	1ENTS	}						Fiscal Y	ear 07	·										Fiscal Y	7ear 08						
			1	1	ı				Т																					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calendar	Year 0	7								Caler	ndar Yea	ar 08				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1.	MK-19	Hardwa	re																											
	FY 06 P	A	2340	291	2049	70	70	69	80	80	80	80	80	80	70	80	100	110	110	110	110	110	110	110	110	110	50	70		0
	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
								<u> </u>																					ļ	
								<u> </u>																					<u> </u>	
																														
								<u> </u>																						
To	al		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]	PRODU	CTION I	RATES						A	DMIN I	EAD T	IME		MFR		TOTA	AL.	REMA	RKS				
F											Reach	ned MF	R			Prio	or 1 Oct	After	r 1 Oct	Aft	er 1 Oct		After 1	Oct						
R			Nan	ne - Locati	on		N	MIN	1-8-5	MAX	D+	1	Ini	ial			4		8		10		18							
1		-	ament &	Tech Prod	l, Saco, M	laine		600	2400	3600	18		Re	order			4		3		7		10							
2	TBS,	TBS						600	2400	3600	18	2	Ini	ial			4		8		13		21							
								$\perp \downarrow$					Re	order			4		3		23		26							
													Ini	ial																
														order											1					
	 							\longrightarrow				_	Ini												1					
	<u> </u>							\longrightarrow					Re	order				1							1					
								\longrightarrow					Ini	ial											1					
	1						1				1		Re	order				1				1			1					

		F	Y 09 /	10 BU	DGET	PRO	DDUC	CTIO	N SCI	HEDU	LE			P-1 ITEM MK-19 G)mm) (G	313400)				Dat	te:	Februa	ry 2008				
	C	OST	ELEM	IENTS							Fiscal Y	Year 09											Fiscal Y	Year 10	١					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calendar	Year 0	9	<u> </u>							Cale	ndar Ye	ar 10				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1	FY 06 P	A	2340	2340															·							·				0
1	FY 07	A	559	250	309	50	50	50	50	50	30	29																		0
2	FY 07	A	2273	0	2273								230	230	100	230	230	230	230	230	230	230	103							0
2	FY 08	A	1683	0	1683																			230	255	255	280	305	330	28
2	FY 09	A	785	0	785				A																					785
														+ +	\longrightarrow															
														+ +																
														+																
To	tal		7640	2590	5050	50	50	50	50	50	30	29	230	230	100	230	230	230	230	230	230	230	103	230	255	255	280	305	330	813
						O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	
						T	V	С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	
M]	PRODU	CTION	RATES						A	DMIN I	EAD T	IME		MFR		TOTA	AL	REMA	RKS				•
F												hed MI	FR			Pric	or 1 Oct		r 1 Oct	Aft	er 1 Oct		After 1	Oct						
R	+			ne - Locati				MIN	1-8-5	MAX	D-		_				4	+	8		10		18							
1			ament &	Tech Prod	l, Saco, M	laine		600	2400	3600	18		_	order			4	+	3		7		10							
2	TBS,	rbs						600	2400	3600	18	2	-				4	+	8		13	_	21							
	1												-	order			4	-	3		23		26		1					
													_	tial																
	1												-	order				-				+			-					
	-						_					_		tial											-					
	+							+					_	order tial								-			-					
	1							+					-	order											1					
	1						1			1	1	1	110	oraci		1		1		1		- 1			1					

		F	Y 11 /	12 BU	DGET	r PR(ODUC	CTIO	N SCI	IEDU	LE			P-1 ITEN MK-19 ()mm) (C	313400)				Da	te:	Februa	ry 2008				
	C	OST 1	ELEM	IENTS	}						Fiscal Y	Year 11											Fiscal Y	Year 12	i					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 1	1								Cale	ndar Ye	ar 12				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
	FY 06 P	A	2340	2340																										0
1	FY 07	A	559	559																										0
2	FY 07	A	2273	2273																										0
2	FY 08	A	1683	1655	28	28																								0
2	FY 09	A	785	0	785		330	330	125																					0
																												<u> </u>		
														_	\sqcup															
														+	\vdash															
															\vdash														-	
															\vdash															
Tot	al	L	7640	6827	813	28	330	330	125																					
1				I	ı	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
						1	<u> </u>		14	В	K	K		14	L	- G	1		•		11	В	K	K		14	L	G		
M								PRODU	CTION I	RATES							DMIN I			1	MFR		TOT		REMA	.RKS				
F												hed MI				Pric	or 1 Oct	-	r 1 Oct	Aft	ter 1 Oct		After 1							
R	_			ne - Locati				MIN	1-8-5	MAX	D-		_	nitial			4	-	8		10		18							
1			ament &	Tech Proc	i, Saco, M	laine		600	2400	3600	18		_	teorder			4	-	3		7		10		-					
2	TBS, T	IBS						600	2400	3600	18	2	-	nitial			4	-	8		13		21							
												-		eorder nitial			4		3		23		26		1					
													_	eorder																
													Iı	nitial											1					
													R	eorder											1					
													Iı	nitial											1					
												R	eorder				İ							1						

Exhibit P-40, Budget Item	Justification	Sheet						Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		mbat vehicles		P.	1 Item Nomencla Mortar Syst	ature tems (G02200)		I	·	
Program Elements for Code B Items:		Code:	Other	Related Program	n 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	8	4 16	5 49	49				1400
Gross Cost	274.6	35.2	9.	0 15.	9.3	7.0				350.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	274.6	35.2	9.	0 15.	9.3	7.0				350.6
Initial Spares										
Total Proc Cost	274.6	35.2	9.	0 15.	9.3	7.0				350.6
Flyaway U/C										
Weapon System Proc U/C	0.4		·							0.4

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.

Appropriation/Budget Activity/Serial No: P-1 Line Item Nomenclature: Date: Exhibit P-5, Weapon WTCV Cost Analysis Weapon System Type: Procurement of W&TCV, Army / 2 / Weapons and other Mortar Systems (G02200) February 2008 combat vehicles ID WTCV FY 07 FY 08 FY 09 CD Total Cost Unit Cost Total Cost Unit Cost Total Cost Unit Cost Qty Qty Qty **Cost Elements** \$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** PRODUCTION SUPPORT Production Engineering Proof and Acceptance Government ILS Staging Operations and New Equipment Training **Subtotal Production Support** NON-RECURRING COSTS First Article Test

G02200 Mortar Systems Item No. 28 Page 2 of 10 Exhibit P-5 Weapon System Cost Analysis

,	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weaps combat vehicles	ons and		ne Item No Systems (omenclature: G02200)			Weapon System	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Element	cs ·	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	0	
TOTAL			35212			8963			15500	0	
Total:			35212			8963			15500	0	

Exhibit P-5a, Budget Procu	rement History	and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and		Veapon System Type:	P-1 Line Item Mortar Systen	Nomenclature: as (G02200)							
WBS Cost Elements:	C	ontractor 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 Dyr St. Petersbur		SS/Option	Picatinny Arsenal, NJ	Mar 08	Mar 09	35	36	Y		
60mm Weapon Systems											
FY 2007	Watervliet A Watervliet, I		MIPR	Rock Island, IL	Jul 07	Jul 08	216	53			
81mm Weapon Systems											
FY 2007	Watervliet A Watervliet, I		MIPR	Rock Island, IL	Jul 07	Jul 08	84	45			
120mm Weapon Systems											
FY 2007	Watervliet A Watervliet, I		MIPR	Rock Island, IL	Jul 07	Jul 08	96	60			
60mm Cannon Tube											
FY 2008	Dynamic Flo Billerica, M.		SS/Option	Quantico, IA	Mar 08	Mar 09	15	20	Y		
FY 2009	Watervliet A Watervliet, I		MIPR	Rock Island, IL	Mar 09	Mar 10	45	15	Y		
60mm Bipods / Baseplates											
FY 2008	To Be Selec TBS	red	SS/Option	Picatinny Arsenal, NJ	Mar 08	Mar 09	15	24	Y		
FY 2009	To Be Selec TBS	red	SS/Option	Picatinny Arsenal, NJ	Mar 09	Mar 10	45	19	Y		
60mm Basic Issue / Direct Support Tools											
FY 2007	Savit Corpor Parsippany,		SS/Option	Picatinny Arsenal, NJ	Jul 07	Jul 08	257	4	Y		
FY 2008	Savit Corpor Parsippany,		SS/Option	Picatinny Arsenal, NJ	Mar 08	Mar 09	15	5	Y		
FY 2009	Savit Corpor Parsippany,		SS/Option	Picatinny Arsenal, NJ	Mar 09	Mar 10	45	5	Y		
81mm Cannon Tubes											
FY 2008	Dynamic Flo Billerica, M.		SS/Option	Quantico, IA	Mar 08	Mar 09	9	35	Y		
FY 2009	Watervliet A Watervliet, I		MIPR	Rock Island, IL	Mar 09	Mar 10	45	20	Y		

G02200 Mortar Systems Item No. 28 Page 4 of 10 176 Exhibit P-5a Budget Procurement History and Planning

Exhibit P-5a, Budget	Procurement History and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ We	Weapon System Type:	P-1 Line Item Mortar System	Nomenclature: ns (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		

G02200 Mortar Systems Item No. 28 Page 5 of 10 177

Exhibit P-5a Exhibit P-5a, Budget Procurement History and Planning

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and	other combat vehicles Weapon System Type:	P-1 Line Item Mortar Syster	Nomenclature: ns (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
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		

		F	FY 07 /	08 BU	DGE	Γ PR(ODUC	CTIO	N SCI	IEDU !	LE				M NOME Systems (O								Date	e:	Februar	ry 2008				
	C	OST	ELEM	IENTS	5					1	Fiscal Yo	ear 07	'										Fiscal Y	Zear 08	;					
		т		ı	ı																									
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81m	n Wea	pon Sys	stems	•																	U U	U U		U						
2 F	Y 07	A	84	0	84										A												30	30	24	0
120n	nm We	apon Sy	ystems	•		•																								
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2	Waterv	/liet Ar	senal, Wa	tervliet, N	ΙY			5	95	165		2	In	itial			6		6		12		18							
3	Dynan	nic Flov	w Form, B	illerica, M	ЛA			5	150	200			Re	eorder			3		6		12		18							
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81mm V		n Syst	tems																											
2 FY)7 A	1	84	84																										0
120mm	Weap	on Sy	stems																											
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		F	FY 09 /	10 BU	DGET	ΓPRO	ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEI Mortar S	M NOME systems (Dat	e:	Februa	ry 2008				
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2	FY 08	A	9	0	9						9																		<u> </u>	0
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Exhibit P-40, Budget Item	Justification	Sheet							Date:	February 2008	
Appropriation / Budget Activity / Seri Procurement of W&TCV, Army / 2 /		mbat vehicles			P-1	Item Nomencla M107, CAL	ture . 50, SNIPER RIFLE	(G01500)			
Program Elements for Code B Items:		Code:	Oth	er Related Prog	ram 1	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

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.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weap combat vehicles	ons and			menclature: SNIPER RIFLE (C	G01500)		Weapon Syster	т Туре:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Element	ts	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		Α	300	660	0.45	110	220	0.50			
Flash/Sound/Recoil Suppressors		Α	663	660	1.00	221	220	1.00			
2. Engineering Support			2280			83			22	3	
Total:			3243			414			22	3	

Exhibit P-5a, Budget Procur	ement Histor	y and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and or	ther combat vehicles	Weapon System Type:	P-1 Line Item M107, CAL. 5	Nomenclature: 50, SNIPER RIFLE (G01500)							
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. Hardware											
Laser Protection Filters & Anti-Reflect											1
FY 2007	Tenebraer Boston, M		Option	TACOM-RI, Rock Island, IL	Mar 08	Jun 08	660	0.45]
FY 2008	Tenebraez Boston, M		Option	TACOM-RI, Rock Island, IL	Mar 08	Jun 08	220	0.50	YES		
Flash/Sound/Recoil Suppressors											1
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		

		F	Y 07 /	08 BU	DGET	r PR(DUC	TIO	N SCI	HEDU	LE			P-1 ITEN M107, C				(G01500	0)				Dat	te:	Februa	ry 2008				
	C	OST	ELEM	IENTS							Fiscal Y	ear 07	•										Fiscal Y	Year 08	1					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year ()7								Cale	ndar Ye	ar 08				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1. I	Hardwar	e	1	ı			1		l	L			<u>l</u>			l												<u>I</u>		ı
M	107 Snip	er Wea	pons																											
	FY 06 P	A	1160	300	860	100	100	100	100	100	100	100	100	60																0
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			├──				$\vdash \vdash \vdash$	<u> </u>																			 	<u> </u>	 	
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Tot	al		1160	300	860	100	100	100	100	100	100	100	100	60				0	N.	ъ.		г			.,			<u> </u>	-	
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M							F	PRODU	CTION	RATES	_						DMIN I	_			MFR		TOTA		REMA	.RKS				
F								m		3.7.1.37		ned M				Prio	or 1 Oct		r 1 Oct	Aft	er 1 Oct		After 1							
R	-	Eiroore		ne - Locati					1-8-5	MAX	D+	-					3		7		7		14 9							
1	Darren	urrett Firearms Mfg., Murfreesboro, TN 300 600 1200										Init	order			3		3		6		9								
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Exhibit P-40, Budget Item	Justification	Sheet					I	Date:	February 2008						
Appropriation / Budget Activity / Seri- Procurement of W&TCV, Army / 2 /		ombat vehicles		P-1	Item Nomencla XM320 GR	ture ENADE LAUNCHE	R MODULE (GLM		reducing 2006						
Program Elements for Code B Items: 0604601A - Infantry Support Weapon	0604601A - Infantry Support Weapons B Prior Years FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 FY 2013 To Complete Total Programment														
	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					

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 required for current FY2008 GWOT requirements.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weap combat vehicles	ons and		1 Line Item No M320 GRENA		MODULE (GLM)	(G01501)	Weapon Syste	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	CD	Total Cos	t 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			4	131 1200	3	23725	7497	3	2976	3 9342	3
2. Tool Set				69 60	1	389	375	1	52	2 467	1
3. Initial Spare Parts				21 300	(153	1873		16	6 2335	
4. Engineering Support				100		2000			90	0	
5. Integrated Logistics Support (ILS)				50		225			13	5	
6. Fielding				50		225			13	5	
7. New Equipment Training (NET)				50		225			13	5	
Total:			44	471		26942			3175	6	

Exhibit P-5a, Budget Pr	ocurement History and Planning							Oate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapon	Weapon System Type:		Nomenclature: NADE LAUNCHER MODULE	E (GLM) (G015	01)		·			
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.

		F	Y 08 /	09 BU	DGET	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN XM320	M NOME GRENAL			R MODU	ULE (GI	M) (G0	1501)		Dat		Februa	ry 2008				
	C	OST	ELEN	IENTS)						Fiscal `	Year 08	3										Fiscal Y	ear 09						
			1	1	1				1												ı									
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	08								Calen	dar Ye	ar 09				
F R	FY	R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1.	XM320	Grenade	Launche	er		_			1								-	_	1 .									_		1
1	FY 07	A	1200	0	1200												A			250	500	450								0
1	FY 08	A	7497	0	7497												A			250	500	800	1000	1000	1000	1000	1000	947		0
1	FY 09	A	9342	0	9342																A		500	500	500	500	500	553	1500	4789
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								<u> </u>							<u> </u>															
								<u> </u>																						
Tot	al		18039		18039	_				_								_		500	1000	1250	1500	1500	1500	1500	1500	1500	1500	4789
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M								PRODU	CTION	RATES						Α	DMIN I	LEAD T	TIME		MFR		TOTA	AL	REMA	RKS				1
F											Reac	hed M	IFR			Pric	or 1 Oct	Afte	er 1 Oct	Aft	ter 1 Oct		After 1	Oct						
R			Nan	ne - Locati	on		1	MIN	1-8-5	MAX	D-	+	1 In	nitial			0		11		4		15							
1	Heckle	er & Ko	ch Defen	se, Inc, Ste	erling, VA	A	3	3600	9000	18000	6		R	leorder			1		3		3		6							
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		F	Y 10 /	11 BU	DGE	Γ PR(ODUC	TIO	N SCI	HEDU	LE			P-1 ITEN XM320				MODU	JLE (GL	M) (G0	1501)		Dat	te:	Februa	ary 2008				
	C	OST	ELEN	IENTS							Fiscal '	Year 10)										Fiscal Y	Year 11						
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M		S E	PROC QTY	ACCEP PRIOR	BAL DUE			ļ						Calenda	r Year 1	0								Cale	ndar Ye	ar 11				
F R	FY	R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U 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	Later
1.	XM320	Grenade	e Launche	er	l				Į	I			1				l l						Į	Į			<u> </u>			1
1	FY 07	A	1200	1200																										0
1	FY 08	A	7497	7497																										0
1	FY 09	A	9342	4553	4789	1500	1500	1500	289																					0
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Tot	al	1	18039	13250	4789	1500	1500	1500	289																					
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Item No. 30 Page 5 of 5 191

Exhibit P-40, Budget Item	Justification	Sheet						Date:	February 2008						
Appropriation / Budget Activity / Seri Procurement of W&TCV, Army / 2		mbat vehicles		P-	I Item Nomencla XM110 SEM	ture ⁄II-AUTOMATIC SN	NIPER SYSTEM	(SASS) (G01505)	Tebruary 2000						
Program Elements for Code B Items:	A Prior Years FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 FY 2012 FY 2013 To Complete Total														
	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					

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 / Weap combat vehicles	ons and		0 SEMI-AU	menclature: UTOMATIC SNII	PER SYSTEM (SA	ASS)	Weapon System	m Type:	Date:	February 2008
WTCV		ID	•	FY 07			FY 08	•	•	FY 09	
Cost Elemen	ts	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. 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 Pro	ocurement History and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapon:	s and other combat vehicles Weapon System Type:		Nomenclature: I-AUTOMATIC SNIPER SYST	ΓEM (SASS) (C	G01505)					
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. Hardware										
SASS Weapons										1
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)										1
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										1
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,	Mar 09	May 09	508	1	YES]

		F	FY 07 /	08 BU	DGET	ΓPRO	ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN XM110				IPER S	YSTEM	(SASS)	(G0150:	5)	Dat		Februa	ry 2008				
	C	OST	ELEN	IENTS	}						Fiscal '	Year 07	7										Fiscal Y	ear 08						
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year (7								Calen	dar Ye	ar 08				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	U	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	Later
1. I	Iardware	÷	ı		ı			ı																						
SA	ASS We	apons																												
1	FY 06	A	590	0	590												A	9	20	20	75	100	100	100	100	66				0
1	FY 07	A	510	0	510												A									34	100	100	76	200
1	FY 08	A	732	0	732																					A				732
1	FY 09	A	508	0	508																									508
													-																	
													1																	
Tot	al		2340		2340													9	20	20	75	100	100	100	100	100	100	100	76	1440
100						0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	
						C T	O V	E C	A N	E B	A R	P R	A Y	U	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
M								PRODU	JCTION :	RATES							DMIN I				MFR		TOTA		REMA	RKS				
F												hed M				Pric	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct		After 1							
R									+	-	nitial			3		6		7		13										
1	Knights Armaments Co., Titusville, FL 508 2400 4800										Reorder			3		5		8		13										
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		F	Y 09 /	/ 10 BU	DGET	r PRC	DUC	TIO	N SCI	HEDU	LE			P-1 ITEM XM110 S				IPER S	YSTEM	(SASS)	(G0150	5)	Date	te:	Februa	ry 2008				
	C	OST	ELEM	1ENTS							Fiscal Y	Year 09	١										Fiscal Y	Year 10						
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE		-							Calendar	r Year 0	9								Cale	ndar Ye	ar 10				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1. I	Hardware	:				,								ı																
	ASS Wea	•																												
1	FY 06	A	590	590																										0
1	FY 07	A	510	310	200	75	75	50																						0
	FY 08	A	732		732	<u> </u>		25	75	75	75	75	7	5 75	75	75	75													0
1	FY 09	A	508	0	508	<u> </u>		<u> </u>			A							40	72	72	72	72	72	72	36					0
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Tot	al		2340	900	1440	75	75	75	75	75	75	75	75	75	75	75	75	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							_ J	PRODU	CTION	RATES						Α	DMIN I	LEAD T	TME		MFR		TOTA	A L	REMA	RKS				'
F											Reac	hed M	FR			Pric	or 1 Oct	Afte	r 1 Oct	Aft	ter 1 Oct		After 1	Oct						
R										+	1 In	tial			3	-	6		7		13									
1	1 Knights Armaments Co., Titusville, FL 508 2400 4800										_	order			3		5		8		13		_							
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Exhibit P-40, Budget Item .	Justification	Sheet					I	Date:	February 2008					
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		ombat vehicles		P-	1 Item Nomencla M4 Carbine				1 Columny 2008					
A Prior Years FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 FY 2012 FY 2013 To Complete Total Prior Years FY 2012 FY 2013 To Complete Total Prior Years FY 2013 To Complete FY 2013 To Complete Total Prior Years FY 2013 To Complete Total Prior Years FY 2013 To Complete Total Prior Years FY 2013 To Complete Total Prior Years FY 2013 To Complete Total Prior Years FY 2013 To Complete Total Prior Years FY 2013 To Complete Total Prior Years FY 2013 To Complete Total Prior Years FY 2013 To Complete Total Prior Years FY 2013 To Complete Total Prior Ye														
A Prior Years FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 FY 2012 FY 2013 To Complete Total Proce Qty 249894 82017 64450 88964 67779 56426 18240 14360 642														
Prior Years FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 FY 2012 FY 2013 To Complete Total Proc Qty Proc Qty 249894 82017 64450 88964 67779 56426 18240 14360 64 Gross Cost 221.4 100.6 105.1 151.1 125.9 116.6 38.9 32.0 32.0 32.0														
Prior Years FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 FY 2012 FY 2013 To Complete Total Proc Qty 249894 82017 64450 88964 67779 56426 18240 14360 64360														
Plus CY Adv Proc														
Net Proc P1	221.4	100.6	105.	151.	125.9	116.6	38.9	32.0		891.6				
Initial Spares														
Total Proc Cost	221.4	100.6	105.	151.	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				

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.

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								T	ı		
Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weap combat vehicles	ons and		Line Item No Carbine (G14				Weapon System	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	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. M4 Carbine		A	10019	97 82017	1.2	75849	64450	1.2	10946	8 88964	1.2
2. Combat Optics						24448	64450	0.4	3745	6 88964	0.4
3. Engineering Support			30	64		3609			284	7	
4. Integrated Logistics Support			2	27		602			64	2	
5. Fielding/Transportation			3	36		601			64	2	
6. Engineering Studies											
7. Engineering Services											
8. Reliability Test											
Total:			10062	24		105109			15105	5	

Exhibit P-5a, Budget Procu	rement Histor	y and Planning							oate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and	l other combat vehicles	Weapon System Type:	P-1 Line Item M4 Carbine (0								
WBS Cost Elements:		Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. M4 Carbine											
FY 2007	Colt's Mfg Hartford,		Option	JM&L LCMC, Rock Island, IL	Jan 07	Aug 07	82017	1.2	Yes		
FY 2008	Colt's Mfg Hartford,		Option	JM&L LCMC, Rock Island, IL	Dec 07	Sep 08	64450	1.2	Yes		
FY 2009	Colt's Mfg Hartford,		Option	JM&L LCMC, Rock Island, IL	Jan 09	May 09	88964	1.2	Yes		
2. Combat Optics									!		l
FY 2008	Aimpoint Chantilly,		Option	JM&L LCMC, Picatinny, NJ	Feb 08	Aug 08	64450	0.4	Yes		
FY 2009	Aimpoint Chantilly,		Option	JM&L LCMC, Picatinny, NJ	Jan 09	May 09	88964	0.4	Yes		

FY 07 / 08 BUDGET PRODUCTION SCHEDULE P-1 ITEM NOMENCLATURE M4 Carbine (G14904) Date: February 2008																														
		F	FY 07 /	08 BU	DGET	ΓPRO	DUC	TIO	N SCI	HEDU	LE						ΓURE						Dat	e:	Februar	ry 2008				
	C	OST	ELEM	IENTS	}						Fiscal Y	Year 07											Fiscal Y	ear 08						
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	7								Caler	ndar Yea	ar 08				
F R	FY	R V	Each	TO 1 OCT	AS OF 1 OCT	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	Later
1 7	M4 Cart	ine				T	V	С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	1
1	FY 06 & PR	A	54408	0	54408	1000	5000	6000	7000	6500	6000	6000	600	6000	4908															0
	FY 07	A	82017	0	82017				A							1475	3000	3000	4000	4000	5000	6000	9000	8000	8000	8000	8000	8000	6542	0
_	FY 08	A	64450	0	64450															A									2488	61962
1	FY 09	A	88964	0	88964																									88964
	FY 06 & PR	AF	2960											5																0
1	FY 07	AF	2030																					276			672	500	582	0
	FY 06 & PR	FMS	7172	0	0 7172 200 1730 2								60)		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
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		F	Y 07 /	08 BU	DGET	r PR(ODUC	CTIO	N SCI	HEDU	JLE			P-1 ITEN M4 Carb			TURE						Dat	e:	Februa	ry 2008				
	C	OST I	ELEM	IENTS							Fiscal Y	Year 07											Fiscal Y	Zear 08						
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year (7								Caler	ndar Yea	ar 08				
F R	FY	R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1	FY 06 & PR	МС	3622	17	3605	-							-		80		103		134	576	.,			1273	600	839				0
1	FY 07	MC	42708	5985	36723													3709	4234	5109	7000	5490	3000	575	1827	1822	1628	1691	638	0
1	FY 08	MC	3000	0	3000																								250	2750
1	FY 09	MC	3000	0	3000																									3000
1	FY 07	NA	8527	0	8527																			1027	1000	1000	1000	1000	1000	2500
1	FY 06 & PR	NG	1433	1433																										0
1	FY 07	NG	43 0 43																						43					0
1	FY 06 & PR	ОТН	1441	0	500				919															0						
1	FY 07	OTH	3363	0	3363																	40		473	2	339	700	809	500	500
To	al		395553	12552	383001	1000	5200	6000	7022	9340	7971	6000	7256	6000	5907	5745	3108	6799	8368	9685	12000	12000	12000	11924	12000	12000	12000	12000	12000	179676
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		F	FY 09 /	10 BU	DGET	PRO	DUC	TIO	N SCI	HEDU	LE			P-1 ITEM M4 Carbi			URE						Da	te:	Februa	ry 2008				
	CO	OST	ELEM	IENTS							Fiscal Y	Year 09											Fiscal Y	Year 10)					
		S	PROC	ACCEP	BAL									Calendar	Year 0	9								Cale	ndar Ye	ar 10				_
M		Е	QTY	PRIOR	DUE	0	27	-		Б		. 1						0	27	-	. 1	Б	14	1 .					-	
F R	FY	R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	U N	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	U L	A U G	S E P	Later
1. M4	Carb	ine																												
	7 06 PR	A	54408	54408																										0
1 FY	7 07	A	82017	82017																										0
1 FY	7 08	A	64450	2488	61962	9400	9400	8778	8778	8778	8778	8050																	<u> </u>	0
1 FY	7 09	A	88964	0	88964			<u> </u>	A				9700	9700	9700	9700	9700	9700	9700	9700	9700	1664					<u> </u>	<u> </u>	<u> </u>	0
	7 06 PR	AF	2960	2960																										0
1 FY	7 07	AF	2030	2030																										0
	7 06 PR	FMS	7172	7172																										0
1 FY	7 07	FMS	6415	6415																										0
1 FY	80 7	FMS	10000	0	10000	850	850	1850	1850	1850	1050	1700																		0
1 FY	7 09	FMS	10000	0	10000						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]	PRODU	CTION 1	RATES						A	DMIN I	EAD T	IME		MFR		TOT	AL	REMA		. C1	. 0		tale entale
F												hed MI	7R			Pric	r 1 Oct	After	r 1 Oct	Aft	er 1 Oct		After 1	Oct				Current		ide with tor
R				ne - Locati	on				1-8-5	MAX	_						5	+	3		8		11		anticip	ates incr	easing n	naximum	ı capaci	ty
_			. Inc, Har						36000	144000	_		_	order			2	+	2		10		12							
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		F	Y 09 /	10 BU	DGE	Γ PR(ODUC	CTIO	N SCI	HEDU	JLE			P-1 ITEN M4 Carb			ΓURE						Da	te:	Februa	ry 2008				
	C	OST I	ELEM	IENTS							Fiscal `	Year 09	L										Fiscal `	Year 10)					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year (9								Cale	ndar Ye	ar 10				1
F R	FY	R V	Each	TO 1 OCT	AS OF 1 OCT	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	Later
1	FY 06 & PR	МС	3622	3622		T	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	0
1	FY 07	MC	42708	42708																										0
1	FY 08	MC	3000	250	2750	250	250	250	250	250	250	250	250	250	250	250														0
1	FY 09	MC	3000	0	3000												250	250	250	250	250	1750								0
1	FY 07	NA	8527	6027	2500	1000	1500																							0
1	FY 06 & PR	NG	1433	1433																										0
1	FY 07	NG	43	43																										0
1	FY 06 & PR	ОТН	1441	1441														0												
1	FY 07	ОТН	3363	2863	500	500																							0	
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Го	tal		395553	215877	179676	12000	12000	10878	10878	10878	10928	10850	10800	10800	10800	10800	10800	10800	10800	10800	10800	4064					<u> </u>		<u> </u>	
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Exhibit P-40, Budget Item	Justification	Sheet						Date:	Eshmany 2009	
				1					February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		ombat vehicles		P-	1 Item Nomencla SHOTGUN	ature I, MODULAR ACCE	ESSORY SYSTEM ((MASS) (G18300)		
Program Elements for Code B Items: 0604601A - Infantry Support Weapon	ns	Code:		r Related Progran	n Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	1900		605	713	5 5993	5774	5318	5280		37454
Gross Cost	4.5		7	.9 9.	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.	7.6	7.4	7.0	6.9		50.4
Initial Spares										
Total Proc Cost	4.5		7	.9 9.	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

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 breech 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 / Weap combat vehicles	ons and		GUN, MO	omenclature: DULAR ACCESS	SORY SYSTEM (MASS)	Weapon System	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Element	ts	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. Shotguns						7428	6054	1	8905	7135	1
2. Initial Spare Parts						32	1514				
3. Engineering Support						294			123	3	
4. Integrated Logistics Support						33			23	3	
5. Fielding						33			23	3	
6. New Equipment Training (NET)						33			23	3	
Total:						7853			909	7	

Exhibit P-5a, Budget Procu	rement History and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and	Weapon System Type:		Nomenclature: MODULAR ACCESSORY SYS	STEM (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		

	FY 07 / 08 BUDGET PRODUCTION SCHEDULE																													
		F	Y 07 /	08 BU	DGET	ΓPRO	DUC	CTIO	N SCI	HEDU	LE			P-1 ITE SHOTG				SORY	SYSTEN	M (MAS	S) (G18:	300)	Dat	te:	Februa	ry 2008				
	C	OST	ELEN	IENTS							Fiscal `	Year 07	7										Fiscal Y	Year 08	}					
		1	1	1	1				1																					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ır Year (7								Cale	ndar Ye	ar 08				
F R	FY	R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1. \$	Shotguns		I						1				<u> </u>	1						-										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
																													<u> </u>	
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														+																
To	eal.		15089		15089									+															200	14889
10						0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	- 1007
						C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
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M							1	PRODU	ICTION	RATES						Α	DMIN I				MFR		TOTA	AL	REMA	RKS production	f		. Assimod .	lua ta
F												hed M	IFR			Pric	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct		After 1	Oct	produc	tion rate	of the s	mall bus	iness ve	ndor and
R	+			ne - Locati				MIN	1-8-5	MAX	_		1 In	nitial			3	+	9		3		12			rt of prod d LRIP a			me is ba	sed upon
1	Vertu	Corpora	tion, Ma	nassas, VA	1		1	1000	6000	7200	6		-	eorder			1		2		9		11		pianne	u LKIF a	iwaiu iii	1 100.		
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Initia												-		1		-					4									
	1						1			1	1	- 1	I R	eorder		1		1		1		1			1					

	FY 09 / 10 BUDGET PRODUCTION SCHEDULE																													
		F	Y 09 /	10 BU	DGET	ΓPR(ODUC	TIO	N SCI	HEDU	LE			P-1 ITEN SHOTGU				SORY	SYSTEN	M (MAS	S) (G18:	300)	Dat	e:	Februa	ry 2008				
	C	OST	ELEN	1ENTS	,						Fiscal Y	Year 09											Fiscal Y	ear 10						
																					1									
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	9								Caler	ıdar Ye	ar 10				
F R	FY	R V	Each	TO 1 OCT	AS OF 1 OCT	O C	N O	D E C	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A N	F E B	M A	A P	M A	J U	J U	A U G	S E	Later
1 0	hotguns					T	V	С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	
-	FY 06	A	1900	200	1700	300	400	500	500	П																				0
_	FY 08	A	6054	0	6054	500	.00	A	200	600	600	600	600	600	600	600	600	600	600	54						$\vdash \vdash \vdash$				0
_	FY 09	A	7135	0	1	-		A												546	600	600	600	600	600	600	600	600	600	1189
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			4.5000	***	1.1000	***	100							100												100	-100			1100
Tot	al		15089	200	14889	300	400	500	500	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	1189
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F											Reac	hed M	FR			Pric	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct		After 1	Oct		oroduction tion rate				
R			Nan	ne - Locatio	on		N	MIN	1-8-5	MAX	D-	+	1 Ini	tial			3		9		3		12			rt of proc				
1	Vertu	Corpora	tion, Ma	nassas, VA	4		1	1000	6000	7200	6		Re	order			1		2		9		11		planne	d LRIP a	ward in	FY08.		
													Ini	tial																
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											Ini	tial																		
	Initial Reorder											1	Red	order											1					

		F	Y 11 /	12 BU	DGE	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITE SHOTG				SORY	SYSTEN	M (MAS	S) (G183	300)	Dat	te:	Februa	ry 2008				
	C	OST	ELEN	IENTS							Fiscal '	Year 1	1										Fiscal Y	Year 12	}					
		1	1	1	1				1																					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ır Year 1	1								Cale	ndar Ye	ar 12				
F R	FY	R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1. 5	Shotguns	 ;	l .						'				1 -				- 1				.,					- '				<u> </u>
	FY 06	A	1900	1900																										0
1	FY 08	A	6054	6054																										0
1	FY 09	Α	7135	5946	1189	600	589																							0
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								C	- 11	ь	K	K		11	ь	G	1	-	,	C	11	ь	K	K		11	L	0		1
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F											Reac	hed M	IFR			Pric	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct		After 1	Oct	PY0/ produc	production tion rate	on fundi of the s	ng not re mall bus	quired d iness ve	ndor and
R				ne - Locati			N	MIN	1-8-5	MAX	D	+	1 I1	nitial			3		9		3		12					Lead tim	ie is bas	ed upon
1	Vertu	Corpora	tion, Mai	nassas, VA	1		1	1000	6000	7200	6		R	eorder			1		2		9		11		pianne	d LRIP a	iwara in	F108.		
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Exhibit P-40, Budget Item	Justification	Sheet						Date:	February 2008	
Appropriation / Budget Activity / Seri Procurement of W&TCV, Army / 2 /		mbat vehicles			P-1 Item Nomencla Common R	ature emotely Operated W	eapons Station (CF	OWS) (G04700)		
Program Elements for Code B Items:		Code:	Other	Related Prog	ram 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	1						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 / Weaps combat vehicles	ons and		on Remote	menclature: ly Operated Weap	oons Station (CRO	WS)	Weapon System	n Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	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
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 Pro	curement Histor	y and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons a	and other combat vehicles	Weapon System Type:		Nomenclature: notely Operated Weapons Sta	tion (CROWS) (C	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	RFI Issu Date
1. CROWS system											
FY 2007	Kongsber Johnstow	g Aerospace 1, PA	C/FFP	TACOM-Picatinny, Picatinny,NJ	Aug 07	Jan 09	1165	192			
FY 2008	Kongsber Johnstow	g Aerospace 1, PA	Option	TACOM-Picatinny, Picatinny,NJ	Aug 08	Oct 09	100	192	Yes		
2. Vehicle Integration Kit											
FY 2007	Micor Ind Decatur,		Option	TACOM-Picatinny, Picatinny,NJ	Feb 08	Aug 08	1189	3			
FY 2008	Micor Ind Decatur,		Option	TACOM-Picatinny, Picatinny,NJ	Feb 08	Sep 08	73	3	Yes		

REMARKS:

		F	FY 07 /	08 BU	DGET	r PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN Commor	M NOMI n Remote	ENCLA'	ΓURE ated Wea	apons St	tation (C	ROWS)	(G0470	0)	Dat	e:	Februa	ry 2008				
	С	OST	ELEN	IENTS	}						Fiscal Y	Year 07	1										Fiscal Y	ear 08						
		1	1	ı	1				ı																					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year (7								Caler	ıdar Ye	ar 08				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1.0	ROWS	system	1						1		19			•																•
	FY 06 P	A	763	0	763																		21	30	40	40	50	100	100	382
1	FY 07	A	1165	0	1165											A													 	1165
1	FY 08	A	100	0	100																							A		100
	FY 06 P	MC	4	0	4																		4							0
																													 	
																														
																												igsquare	 	
																														
																												\vdash	 	
Tot	al		2032		2032																		25	30	40	40	50	100	100	1647
			1	I	ı	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	
						C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
	1										ı									1					1					
M								PRODU	ICTION :	RATES							DMIN I			4	MFR		TOTA		REMA	RKS				
F				τ				M	1.0.5	34437		hed M				Prio	or 1 Oct		r 1 Oct	Aft	er 1 Oct		After 1		_					
R 1	Vonce	houe Ac		ne - Locati Johnstowr				MIN 120	1-8-5	MAX 3000	D-	+	_	tial			2	+	10		18		28							
1	Kongs	berg Ac	erospace,	Johnstowi	I, PA			120	1440	3000			_	order			2		10		15		25		_					
													_	tial order																
														itial																
													_	order		+		1							1					
													In	tial																
													Re	order																
													In	tial																
													Re	order																

		F	Y 09 /	10 BU	DGET	r PRC	ODUC	TIO	N SCI	HEDU	LE		I	P-1 ITEM Common	NOME Remote	NCLAT	URE ited Wea	pons St	ation (C	ROWS)	(G0470	0)	Dat	te:	Februa	ary 2008				
	C	OST	ELEN	IENTS	}						Fiscal Y	Zear 09											Fiscal Y	Year 10	1					
			nn			<u> </u>															1									
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE								•	Calendar	Year 0	9								Cale	ndar Ye	ar 10				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1. C	ROWS	system														· ·		· ·				•								
	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	120	107												0
1	FY 08	A	100	0	100													13	87											0
	FY 06 P	МС	4	4																										0
							-			 																			<u> </u>	
									<u> </u>	 																				
						\vdash	-		-																				-	-
Tota	al		2032	385	1647	120	120	120	120	120	120	120	120	120	120	120	120	120	87										 	
			1			0	N	D	J	F	M	A	M	J	J	Α	S	0	N	D	J	F	M	A	M	J	J	A	S	
						C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
M							J	PRODU	ICTION I	RATES							DMIN I			4	MFR		TOTA		REMA	RKS				
F												hed M	-			Pric	r 1 Oct	+	r 1 Oct	Af	ter 1 Oct	t	After 1							
R	**			ne - Locati					1-8-5	MAX	D-	- 1					2	-	10		18		28							
1	Kongs	berg Ae	erospace,	Johnstown	ı, PA		_	120	1440	3000		_	-	rder		-	2		10		15	_	25							
							_						Init																	
							-	-+					Init	rder								-+			1					
							\dashv	\dashv						rder								-+			1					
								-+					Init									-			1					
						-		-						rder											1					
									-				Init												1					
													Rec	rder											1					

Exhibit P-40, Budget Item	Justification	Sheet							Date:	February 2008	
Appropriation / Budget Activity / Seri. Procurement of W&TCV, Army / 2 /		ombat vehicles			P-1	Item Nomencla FUTURE H.	ture ANDGUN SYSTEM	(FHS) (G15325)			
Program Elements for Code B Items: 0604601A - Infantry Support Weapon	ns	Code:		Other Re	elated 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:	<u>. </u>		•						•		

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					I	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		ombat vehicles		P-	l Item Nomencla HOWITZE	nture R LT WT 155MM (7	T) (G01700)		1 cordary 2000	
Program Elements for Code B Items: 0604854-509		Code:	Other	Related Progran	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	18	5 38	13	12	16	17	40	434
Gross Cost	96.0	172.2	411.	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.	113.2	38.1	35.8	46.7	46.7	92.0	1051.6
Initial Spares										
Total Proc Cost	96.0	172.2	411.	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 / Weap combat vehicles	ons and			omenclature: WT 155MM (T) (G01700)		Weapon System	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	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
WVA Cannon Long Lead			579	126	46						
BAE Lightweight 155mm Howitzer			13260	78	1700	333000	185	1800	8637	5 38	2273
Watervliet Arsenal Cannon			1599	78	205	46250	185	250	950	0 38	250
Primer Feed Mechanism			140	4 78	18	3700	185	20	79	8 38	21
Optical Fire Control			312	78	40	8325	185	45	182	4 38	48
Basic Initial Issue			446	7		9885			423	6	
Watervliet Arsenal Facilitization											
System Engineering / Program Management			503	1		5036			523	6	
Test			175	5		2568			265	8	
Fielding			203	1		2208			257	8	
Total:			17219	4		410972			11320	5	

Exhibit P-5a, Budget Proc	curement Histor	y and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons a	and other combat vehicles	Weapon System Type:		Nomenclature: 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	Watervlie Watervlie	t Arsenal t, NY 12189	MIPR	N/A	Oct 06	Oct 07	126	46			
FY 2008	Watervlie Watervlie	t Arsenal t, NY 12189	MIPR	N/A	Oct 07	Oct 08					
FY 2009	Watervlie Watervlie	t Arsenal t, NY 12189	MIPR	N/A	Oct 08	Oct 09					
BAE Lightweight 155mm Howitzer											
FY 2007	BAE SYS Barrow-in	TEMS -Furness, UK	MYP/FFP	Picatinny Arsenal, NJ	Oct 06	May 07	78	1700			
FY 2008	BAE SYS Barrow-in	TEMS -Furness, UK	MYP/FFP	Picatinny Arsenal, NJ	Mar 08	Sep 08	185	1800			
FY 2009	BAE SYS Barrow-in	TEMS -Furness, UK	SS/FFP	Picatinny Arsenal, NJ	Oct 08	Sep 09	38	2273			
Watervliet Arsenal Cannon											
FY 2007	Watervlie Watervlie	t Arsenal t, NY 12189	MIPR	N/A	Oct 06	Feb 07	78	205			
FY 2008	Watervlie Watervlie	t Arsenal t, NY 12189	MIPR	N/A	Oct 07	Jun 08	185	250			
FY 2009	Watervlie Watervlie	t Arsenal t, NY 12189	MIPR	N/A	Oct 08	May 09	38	250			
Primer Feed Mechanism											
FY 2007	HTD Hartford,	CT	MYP/FFP	Picatinny Arsenal, NJ	Oct 06	Feb 07	78	18			
FY 2008	HTD Hartford,	CT	MYP/FFP	Picatinny Arsenal, NJ	Oct 07	Jun 08	185	20			
FY 2009	HTD Hartford,	СТ	SS/FFP	Picatinny Arsenal, NJ	Oct 08	May 09	38	21			
Optical Fire Control											
FY 2007	Seiler St. Louis,	МО	MYP/FFP	Picatinny Arsenal, NJ	Oct 06	Feb 07	78	40			
FY 2008	Seiler St. Louis,	МО	MYP/FFP	Picatinny Arsenal, NJ	Oct 07	Jun 08	185	45			
FY 2009	Seiler St. Louis,	MO	SS/FFP	Picatinny Arsenal, NJ	Oct 08	May 09	38	48			

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Exhibit P-5a Budget Procurement History and Planning

Exhibit P-5a, Budget Procurement	Histor	y and Planning]	Date: February 2	.008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat	t vehicles	Weapon System Type:	P-1 Line Item N HOWITZER L	Nomenclature: ΓWT 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 bein fire control for FY2008/FY2009 Grow the Army quantities will be	ng accompli awarded as	shed through a Multiyear (F single year buys.	Y05-FY08) Procure	ement Contract. Contrac	ts for the procu	rement of hov	vitzers, p	orimer feed	mechani	sms, and	d optica
FY09 Weapon System procurement unit cost is high because the H	Iowitzer pro	curement will be awarded as	s single year buys.								

]	F Y 07 /	08 BU	DGET	PRO	DDUC	CTIO	N SCI	HEDU	LE			P-1 ITEN HOWITZ				(G0170	00)				Dat	e:	Februar	y 2008				
(COST	ELEM	IENTS	}						Fiscal '	Year 07		•									Fiscal Y	ear 08						
			1					1												1									
M	S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	7								Caler	ıdar Yea	ır 08				
F FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Lightweig	ht 155m	m Towed	Howitzer	(LW155)	<u> </u>								•														<u> </u>		
1 FY 06	i 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 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	Α	12	0	12																									12
1 FY 12	. A	16	0	16																									16
1 FY 13	A	17	0	17																									17
LW155 (JSMC - 1	For Inform	nation Onl	y)									5	ā						a		a		a					
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	14	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						I	PRODU	ICTION I	RATES						A	DMIN I	LEAD T	IME		MFR		TOTA	AL.	REMA					1
F										Reac	hed M	FR			Prio	or 1 Oct	Afte	r 1 Oct	Aft	ter 1 Oct		After 1	Oct		05-08 F				
R		Nam	ne - Locati	on		N	MIN	1-8-5	MAX	D-	+	1 I1	nitial			0		6		6		12		Joint M	ulti-Yea	r procui	ement		
1 BAE	SYSTE	MS, Barro	w-in-Furr	ess, UK			48	192	192			R	leorder			0		1		11		12			USMC				act was oduction
												Iı	nitial												nes are f			and I it	duction
												R	teorder																
												Iı	nitial																
												R	teorder																
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												R	teorder																
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			Reorder															1											

		F	Y 09 /	10 BU	DGET	r PR(DUC	CTION	N SCI	HEDU	LE				M NOME ZER LT '			(G0170	0)				Dat	te:	Februa	ry 2008				
	CC)ST]	ELEM	IENTS							Fiscal Y	Year 09											Fiscal Y	Year 10						
			1						1																					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	9								Caler	ıdar Ye	ar 10				
F I	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Lightw	eight	155mn	n Towed	Howitzer	(LW155)					•				•																
1 FY	06	A	19	19																										0
1 FY	07	A	78	78																										0
1 FY	08	A	185	16	169	16	16	16	16	16	16	16	16	16	16	9														0
1 FY	09	A	38	0	38	A											4	4	4	4	4	4	4	4	6					0
1 FY	10	A	13	0	13													A												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
LW15	5 (USI	MC - F	or Inform	ation Onl	y)								_							-		-	_	_	_	_	_	_		5
1 FY	06	MC	69	69																										0
1 FY	07	MC	34	34																										0
1 FY	08	MC	80	80																										0
Total			561	296	265	16	16	16	16	16	16	16	16	16	16	9	4	4	4	4	4	4	4	4	6					58
						O C T	N O V	D E C	J A N	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							I	PRODU	CTION I	RATES						A	DMIN I	EAD T	IME		MFR		TOTA	4L	REMA	RKS				1
F											Reac	hed M	FR			Prio	or 1 Oct	After	r 1 Oct	Aft	er 1 Oct		After 1	Oct						
R			Nam	e - Locati	on		N	MIN	1-8-5	MAX	D-	+	l Ini	ial			0		6		6		12							
1 B	AE SY	YSTEN	IS, Barro	w-in-Furr	iess, UK			48	192	192			Re	order			0		1		11		12							
													Ini	ial																
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													Ini	ial																
			•										Re	order																

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Exhibit P-21 Production Schedule

		F	Y 11 /	12 BU	DGET	Γ PR(ODUC	CTIO	N SCI	HEDU	ILE				M NOME ZER LT			(G0170	0)				Dat	e:	Februa	ry 2008				
	CC	ST I	ELEM	ENTS	;						Fiscal `	Year 1	1										Fiscal Y	ear 12						
			•	1					•												,									
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ır Year 1	1								Caler	ndar Ye	ar 12				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Lightv	veight	155mn	n Towed	Howitzer	(LW155)																									
1 FY	06	A	19	19																										0
1 FY	7 07	A	78	78																										0
1 FY	08	A	185	185																										0
1 FY	09	A	38	38																										0
1 FY	10	A	13	0	13	2	4	4	3																					0
1 FY	11	A	12	0	12	A												4	4	4										0
1 FY	12	A	16	0	16													A												16
1 FY	13	A	17	0	17																									17
LW15	5 (USI	MC - F	or Inform	ation Onl	y)	_	ā					-								-	ā	-		-	ā	_	_	_		5
1 FY	06	MC	69	69																										0
1 FY	07	MC	34	34																										0
1 FY	08	MC	80	80																										0
Total			561	503	58	2	4	4	3									4	4	4										33
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M]	PRODU	JCTION :	RATES						A	DMIN I	EAD T	IME		MFR		TOTA	AL	REMA	RKS				1
F											Reac	hed N	IFR			Prio	or 1 Oct	After	r 1 Oct	Aft	ter 1 Oct		After 1	Oct						
R			Nam	e - Locati	on		N	MIN	1-8-5	MAX	D	+	1 I1	nitial			0		6		6		12							
1 E	AE S	YSTEN	AS, Barro	w-in-Furr	ness, UK			48	192	192			R	eorder			0		1		11		12							
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													R	eorder											1					

		F	Y 13 /	14 BU	DGE	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITE HOWIT	M NOME ZER LT			(G0170	0)				Dat	te:	Februa	ry 2008				
	CO)ST]	ELEM	IENTS	}						Fiscal `	Year 1	3										Fiscal Y	Year 14						
					1	<u> </u>			,																					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ır Year 1	.3								Caler	ndar Ye	ar 14				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	U	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	Later
Light	veight	155mn	n Towed l	Howitzer	(LW155)		•		•					•																
1 F	Y 06	A	19	19																										0
1 F	Y 07	A	78	78																										0
1 F	Y 08	A	185	185																										0
1 F	Y 09	A	38	38																										0
1 F	Y 10	A	13	13				<u> </u>																						0
1 F	Y 11	A	12	12				<u> </u>																						0
		A	16	0	ļ		4	4	4																					0
1 F		A	17	0	1	A												5	4	4	4									0
			or Inform		1		1		1				-			1									1	1	1			
1 F		MC	69	69																										0
		MC	34	34				<u> </u>																						0
1 F	Y 08	MC	80	80		<u> </u>		<u> </u>					-																	0
						 		<u> </u>					-																	
m . 1			561	520	22		4		4				-					~	4	4	4									
Total			561	528	33	4 O	4 N	4 D	4 J	F	M		M	. J	J	Α.	S	5 O	4 N	4 D	4 J	F	M		M	J	ī		S	
						C T	O V	E C	A N	E B	A R	A P R	A	U	U L	A U G	E P	C T	O V	E C	A N	E B	A R	A P R	A Y	U N	U L	A U G	E P	
M							1	PRODU	ICTION	RATES						Α	DMIN L	EAD T	IME		MFR		TOTA	AL	REMA	RKS				
F												hed M	ЛFR			Prie	or 1 Oct	After	r 1 Oct	Aft	er 1 Oct		After 1	Oct						
R				e - Locati				MIN	1-8-5	MAX	D-	+	1 1	nitial			0		6		6		12							
1 H	BAE S	YSTEN	AS, Barro	w-in-Furr	ness, UK			48	192	192				Reorder			0		1		11		12							
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Exhibit P-40, Budget Item	Justification	Sheet						Γ	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		ombat vehicles		1	P-1 I	Item Nomencla MK-19 Gree	ture nade Machine Gun M	10DS (GB3000)	·	2000	
Program Elements for Code B Items:		Code:	Other	Related Progr	am E	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.

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MK-19 Grenade Machine Gun MODS 224 Budget Item Justification Sheet

Exhibit P-401	M, Budget Item Justifi	cation Sheet						Date:	February 2008		
Appropriation / Budget	Activity / Serial No:				P-1 Item Nomeno	clature		•			
Procureme	nt of W&TCV, Army / 2 / Weapons and	other combat vehicles			MK-	-19 Grenade Machi	ne Gun MODS (C	GB3000)			
Program Elements for C	Code B Items:						Code:	Other R	elated Program Elem	nents:	
Description		Fiscal Years					1	•			
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total
Tactical Engagement	t Simulator (TES)										
TBD1		4.4	2.8	6.0	7.6	8.4	8.5	10.9	11.2	0.0	59.8
Lightweight Adjustal	ble Sight Bracket										
TBD2		7.0	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	7.7
Closed - Modificatio	n 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

Item No. 37 Page 2 of 6 Exhibit P-40M 225 Exhibit P-40M Budget Item Justification Sheet

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
First Production Delivered
First Unit Equipped

2Q05 (Actual)
3Q06 (Actual)
3Q07 (Actual)

Installation Schedule

ı
Inputs
Outpute

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

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

METHOD OF IMPLEMENTATION:

Field Application

ADMINISTRATIVE LEADTIME:

5 months

PRODUCTION LEADTIME: 8 months

FY 2010 - Mar 10

Contract Dates: Delivery Dates: FY 2008 - Mar 08 FY 2008 - Oct 08 FY 2009 - Mar 09 FY 2009 - Oct 09

FY 2010 - Oct 10

Date: Febr

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	Т	C	Tot	al
	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
Total Procurement Cost		4.4		2.8		6.0		7.6		8.4		8.5		10.9		11.2		0.0		59.8

Item No. 37 Page 4 of 6Exhibit P-3A227Individual 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

Inputs Outputs

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

		FY 2	2012			FY 2	2013			FY 2	2014			FY 2	2015		То	Totals
l	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
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 -

Date:

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

[
	Prior	Yrs.	20	07	200	08	20	09	20	10	20	11	20	12	20)13	T	С	Tot	ıal
	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																				ļ
FY 2006 & Prior Equip Kits																				ļ
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

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Exhibit P-40, Budget Item	Justification	Sheet						I	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		mbat vehicles			P-1	Item Nomencla M4 CARBI	ture NE MODS (GB3007)		2000	
Program Elements for Code B Items:		Code:	Othe	r Related Progr	am l	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	7.6	6.8	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	7.6	6.8	17.9	16.6	13.7	13.4		563.4
Initial Spares											
Total Proc Cost	306.9	160.6	17	7.6	6.8	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 Ouarters 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.

Item No. 38 Page 1 of 12 230 **Budget Item Justification Sheet**

Exhibit P-40

Exhibit P-40N	M, Budget Item Justifi	ication Sheet						Date:	February 2008		
Appropriation / Budget A	Activity / Serial No:				P-1 Item Nomeno	clature		•			
Procuremen	nt of W&TCV, Army / 2 / Weapons and	other combat vehicles			M4 (CARBINE MODS	(GB3007)				
Program Elements for Co	ode B Items:						Code:	Other Ro	elated Program Elem	ents:	
Description		Fiscal Years						l			
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total
Modular Weapon Sys	stem										
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 Initiat	tive										
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

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 4O97 (Actual)

First Production Hardware Delivered 4Q98 (Actual)

First Unit Equipped 2Q99 (Actual)

Installation Schedule

-"	
Inputs	

Outputs

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

		FY 2	2012			FY 2	2013			FY 2	2014			FY 2	2015		То	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
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 -

Item No. 38 Page 3 of 12 232

Date: Feb

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	T	С	Tot	tal
	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	0	3.7	0	6.8	0	0.0		0.0	0	0.0	0	0.0		0.0		0.0		58.8
2 star 2 sourcement cost	L!	10.5		5.7	<u> </u>	0.0		0.0		0.0		0.0		0.0		0.0		0.0		30.0

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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

Inputs Outputs

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

		FY	2012			FY 2	2013			FY	2014			FY 2	2015		То	Totals
	1 2 3 4			4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
nputs																		
Outputs																		

METHOD OF IMPLEMENTATION: Installed by troops ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 2 months

Contract Dates: FY 2008 - Feb 08 FY 2010 - Jan 10

Delivery Dates: FY 2008 - Mar 08 FY 2009 - Feb 09 FY 2010 - Feb 10

GB3007 M4 CARBINE MODS Item No. 38 Page 5 of 12 234

Date:

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	T	С	Tot	tal
	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
Total Production Cost		20.0		31.0		1.7		2.0		5.5		5.0		15				0.0]	100.0

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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):

FY 2012

Close Quarters Battle Kit Re-competition

Evaluation & Downslect 4Q07/2Q08 (Plan)

Production Contract Award 3008 (Plan)

First Unit Equip 1009 (Plan)

Installation Schedule

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

Inputs Outputs
Outputs

Inputs Outputs

	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	j.
1PLI	EMENTA	ATION:	inst	alled by t	roops	ADMINISTRATIVE LEADTIME:					3 months	s		PRODU	CTION I	LEADTIN	ME: 2 months	

FY 2014

METHOD OF IMPLEMENTATION:

FY 2008 - Jan 08

FY 2013

FY 2009 - Jan 09

FY 2015

Contract Dates: Delivery Dates:

FY 2008 - Feb 08

FY 2009 - Feb 09

FY 2010 - Jan 10 FY 2010 - Feb 10 To

GB3007 M4 CARBINE MODS Item No. 38 Page 7 of 12 236

Exhibit P-3A Individual Modification

Totals

Date:

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	200)9	20	10	20	11	20	12	20	13	TO	C	То	tal
	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
Total Procurement Cost		5.2		83.2		5.2		14.2		9.6		7.5		5.3		5.2		0.0		135.4

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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

Inputs Outputs

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

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

METHOD OF IMPLEMENTATION: Installed by troops ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 2 months

Contract Dates: FY 2008 - FY 2010 - Jul 10

Delivery Dates: FY 2008 - FY 2009 - FY 2010 - Aug 10

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INDIVIDUAL MODIFICATION Date: February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	007	20	08	20	09	20	10	20	11	20	12	20	13	TO	C	То	tal
	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
ļ																				
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

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				IND	IVIDUA	L MODI	FICATI	ON							D	ate:	Februar	y 2008			
MODIFICATION TI	ΓLE: Rapid Fielding	Initiative [MOD 5]	TBD5																	
MODELS OF SYSTE	EM AFFECTED: M4	Carbine (5	5.56mm)																		
In support of the out equipment. R improved buttstoo	RFI provides fund eks, and slings.	s to pro	cure an	d suppo	ort, item																
Installation Schedule																					
'	Pr Yr		FY	2007			FY	2008			FY	2009			FY	2010			FY	2011	
ı	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																					
Outputs																					
n	FY 201	2			FY 2013	3			FY 2014	1			FY 2015	<u> </u>				То			Totals

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

METHOD OF IMPLEMENTATION: Installed by Troops ADMINISTRATIVE LEADTIME: 3 months

Contract Dates: FY 2008 - Jan 08

Delivery Dates: FY 2008 - Feb 08

ADMINISTRATIVE LEADTIME: 3 months

FY 2009
FY 2009
FY 2010
FY 2010 -

Date: F

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	007	20	08	20	09	20	10	20	11	20	12	20	13	TO	(.)	То	tal
	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
Total Procurement Cost		222.9		18.9		0.9		0.0		0.0		0.0		0.0		0.0		0.0		242.7

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Exhibit P-40, Budget Item	Justification	Sheet						Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		mbat vehicles		P-	-1 Item Nomencla M2 50 Cal	ature Machine Gun MODS	S (GB4000)			
Program Elements for Code B Items: 604601A S63		Code:	Other	Related Program 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.

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Exhibit P-401	M, Budget Item Justifi	cation Sheet							February 2008		
Appropriation / Budget	Activity / Serial No:				P-1 Item Nomeno	clature					
Procureme	nt of W&TCV, Army / 2 / Weapons and	other combat vehicles			M2	50 Cal Machine G	un MODS (GB400	0)			
Program Elements for C 604601A S63	Code B Items:						Code: B	Other R 0604601	elated Program Ele 1A S58	ments:	
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 CHA	NGE 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

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 Totals 1 2 3 4 1 2 4 2 3 4 1 3 4 4 1 2665 Inputs Outputs 222 1500 943

		FY	2012			FY 2	2013			FY 2	2014			FY 2	2015		То	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
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 -

Date: Feb

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

•	Prior	Vro	20	07	20	ng.	20	00	20	10	20	11	20	12	20	013	Т	~ T	To	tal
•	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E	Qty	Ψ	Qij	Ψ	Qij	Ψ	Qıy	Ψ	Qij	Ψ	Qij	Ψ	Qiy	Ψ	Qij	Ψ	Qty	Ψ	Qty	Ψ
Procurement																				i
Kit Quantity					2665														2665	1
Hardware					2003	16.0													2003	16.0
Ancillary Equipment	50732	12.1	6979	5.8		10.0													57711	17.9
Engineering Support	30732	0.3		0.1		0.8													3//11	1.2
Testing		0.1		0.1		0.1														0.2
Integrated Logistics Support		0.1				0.1														0.5
Fielding		0.4		0.1		0.1														0.5
•																				
Installation of Hardware																				ı
FY 2006 & Prior Ancillary																				1
Equip																				1
FY 2007 Ancillary Equip																				1
FY 2008 Equip Kits							222		2443										2665	1
FY 2009 Equip Kits																				1
FY 2010 Equip Kits																				1
FY 2011 Equip Kits																				1
FY 2012 Equip Kits																				i I
FY 2013 Equip Kits																				1
TC Equip- Kits																				
Total Installment	0	0.0		0.0	0	0.0	222	0.0	2443	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		36.4

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Exhibit P-40, Budget Item	Justification	Sheet							Date:	February 2008	
Appropriation / Budget Activity / Seri Procurement of W&TCV, Army / 2 /		mbat vehicles			P-1	Item Nomencla M249 SAW	ture Machine Gun MOD	S (GZ1290)		1 cordary 2000	
Program Elements for Code B Items:		Code:	Othe	r Related Progr	ram l	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	3.8	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	3.8	7.1	8.0	6.1	5.2	5.3		154.1
Initial Spares											
Total Proc Cost	84.9	18.8	18	3.8	7.1	8.0	6.1	5.2	5.3		154.1
Flyaway U/C											
Weapon System Proc U/C			·								

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.

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Exhibit P-40	M, Budget Item Justifi	cation Sheet						Date:	February 2008		
Appropriation / Budget	Activity / Serial No:				P-1 Item Nomeno	clature					<u>, </u>
Procureme	ent of W&TCV, Army / 2 / Weapons and	other combat vehicles			M24	19 SAW Machine C	Gun MODS (GZ12	90)			
Program Elements for C	Code B Items:						Code:	Other Re	elated Program Elem	ents:	
Description		Fiscal Years						l			
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total
M249 Rails/Bipod/F	Iandguard										<u>, </u>
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/O	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 Groun	d 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 Initia	ntive										
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	g/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

Date:

February 2008

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

MODELS OF SYSTEM AFFECTED: M249 Squad Automatic Weapon & Machine Gun

DESCRIPTION / JUSTIFICATION:

The M249 Squad Automatic Weapon (SAW) is a 5.56mm, lightweight, machine gun that will be utilized in the automatic rifle role and the machine gun role. The front rails will be fastened to the sides and bottom of the M249 SAW receiver. They will allow attachment of a large variety of existing and future high technology electronic and night vision devices, vertical handgrip, and horizontal handgrip.

When the SAW is used in the automatic rifle role, the bottom rail provides an attachment point for the vertical handgrip. The front side rails accommodate the devices when the weapon is used in either role. The Improved Bipod is stronger, compatible with the front and bottom rails, and has easier adjustability of bipod legs for the Soldier.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Developmental/User Test 2Q00 (Actual)
Production Decision 3Q00 (Actual)
Production Contract Award 4Q00 (Actual)
First Production Hardware Delivered 3Q01 (Actual)
First Unit Equipped 3Q00 (Actual)*

* 300 pre-production rails delivered to Rangers

Installation Schedule

Inputs Outputs

Inputs Outputs

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

	FY 2	2012			FY 2	2013			FY 2	2014			FY :	2015		То	Totals
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	

METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 6 months

Contract Dates: FY 2008 - 31 Mar 08 FY 2009 - 31 Mar 09 FY 2010 - 31 Mar 10

Delivery Dates: FY 2008 - 31 Aug 08 FY 2009 - 31 Aug 09 FY 2010 - 31 Aug 10

GZ1290 M249 SAW Machine Gun MODS Item No. 40 Page 3 of 12 248 Exhibit P-3A Individual Modification

Date: F

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	200	09	20	10	20	11	20	12	20	13	TO	C	То	tal
	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

Date:

February 2008

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

MODELS OF SYSTEM AFFECTED: M249 Squad Automatic Weapon & Machine Gun

DESCRIPTION / JUSTIFICATION:

The M249 Machine Gun Short Barrel will provide a short version of the 5.56mm automatic weapon. The Short Barrel, when used in conjunction with the M5 Collapsible Buttstock, shortens the M249 MG by more than 10 inches. As a result, the shorter weapon enhances operational capability by improving Military Operations in Urban Terrain (MOUT) maneuverability and Airborne/Air Assault jump capabilities. The Short Barrel Blank Firing Attachment allows realistic training with the Short Barrel currently not available to the Soldier.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Developmental/User Test 1Q00 (Actual)
Production Decision 2Q00 (Actual)
Production Contract Award 2Q01 (Actual)
First Production Hardware Delivered 3Q02 (Actual)
First Unit Equipped 4Q02 (Actual)

Installation Schedule

Inputs Outputs

Inputs Outputs

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

	FY 2	2012			FY 2	2013			FY 2	2014			FY 2	2015		То	Totals
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	

METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 7 months

Contract Dates: FY 2008 - 31 Mar 08 FY 2009 - 31 Mar 09 FY 2010 - 31 Mar 10

Delivery Dates: FY 2008 - 31 Dec 08 FY 2009 - 30 Sep 09 FY 2010 - 30 Nov 10

GZ1290 M249 SAW Machine Gun MODS Item No. 40 Page 5 of 12 250 Exhibit P-3A Individual Modification

Date: F

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	200	09	20	10	20	11	20	12	20	13	TO	C	To	tal
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&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
ľ																				
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

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

3005 (Actual)

Installation Schedule

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

Inputs Outputs

Inputs Outputs

		FY 2	2012			FY 2	2013			FY 2	2014			FY 2	2015		То	Totals
ĺ	1	2	3	4	1	1 2 3 4			1	2	3	4	1	2	3	4	Complete	

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

Date: Fel

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	007	20	08	200	09	20	10	20	11	20	12	20	13	TO	(.)	То	tal
	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

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						INDIV	VIDUA	AL MO	DIFIC	ATIO	N									Date:	Februa	ry 2008			
MODIFICATION T	TLE: Rap	oid Fieldi	ing Initiat	ive [MO	D 4] TI	3D4																			
MODELS OF SYST	EM AFFI	ECTED:																							
DESCRIPTION / JU Funds the follow			r the Ra	apid Fi	elding	Initia	tive: l	Pistol	Grips	. Rail	Cover	rs. A	Accesso	orv Rai	1 Kits	. Amı	no Pa	eks. Sh	ort Ba	rrels. Sho	ort Barr	el Blan	k Firing	Attac	hments.
Collapsible Butts									- 1	,		,		J		,				,			2	,	,
DEVELOPMENT S	ΓATUS / Ί	MAJOR	DEVELO	OPMENT	ΓMILE	STONE	E(S):																		
Installation Schedule																									
		Pr Yr			FY 20	07				FY 20	008				FY 20	09			F	Y 2010			FY	2011	
	7	Γotals		1	2	3	4	1		2	3	4	1		2	3	4	1	2	3	4	1	2	3	4
Inputs																									
Outputs																									
		EV.	2012		1	т	FY 201	2		1		FY 20	014				FY 201	5				То			Totals
	1	2	3	4	1	2		3	4	1	2		3	4	1	-	201	3	4		C	omplete			Totals
Inputs	1	2	3	4	1			3	4	1		,	3		1		•	3	4			ompiete			
Outputs																									
METHOD OF IMPL	EMENT <i>A</i>	ATION:	Fiel	ld Applic	cation	ADM	MINIST	ΓRATI	VE LE	ADTIN	ИЕ:		5 months	3	ı	PRO	DUCT	ION LE	ADTIM	E: 10 m	onths				
Contract Dates:				2008 - 3)8						I	FY 2009	_						FY 2010	-				
Delivery Dates:			FY	2008 - 3	1 Dec 0	08						I	FY 2009	-						FY 2010	-				

Date: February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	200	07	20	08	20	09	20	10	20	11	20	12	20	13	TO	C	To	tal
	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
Total Procurement Cost		23.4		11.2		0.4		0.0		0.0		0.0		0.0		0.0		0.0		35.0

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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 2	2009			FY 2	2010			FY 2	2011	
Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

ı	Outputs
ı	
ı	

Inputs Outputs

Inputs

		FY 2	2012			FY 2	2013			FY 2	2014			FY 2	2015		То	Totals
ĺ	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	

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

Date: F

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	200	09	20	10	20	11	20	12	20	13	TO		То	tal
	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

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Exhibit P-40, Budget Item	Justification	Sheet						Г	Date:	February 2008	
Appropriation / Budget Activity / Serie Procurement of W&TCV, Army / 2 /		ombat vehicles			P-1	Item Nomencla M240 Medi	nture um Machine Gun M	ODS (GZ1300)		reditary 2008	
Program Elements for Code B Items:		Code:		er Related F	Program	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2	2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost	59.3	8.9		1.6	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		1.6	21.1	17.4	14.9	14.2	5.0		152.4
Initial Spares											
Total Proc Cost	59.3	8.9		1.6	21.1	17.4	14.9	14.2	5.0		152.4
Flyaway U/C											
Weapon System Proc U/C											

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-40N	A, Budget Item Justifi	ication Sheet						Date:	February 2008		
Appropriation / Budget A	Activity / Serial No:				P-1 Item Nomeno	clature		•			
Procuremen	t of W&TCV, Army / 2 / Weapons and	other combat vehicles			M24	10 Medium Machir	e Gun MODS (GZ	Z1300)			
Program Elements for Co	ode B Items:						Code: A	Other R	telated Program Ele	ments:	
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 Impro	ovements										
TBD1		11.4	1.3	8.5	15.5	11.6	10.7	14.2	5.0	0.0	78.
M192 Light Weight G	Fround Mount										
TBD2		31.8	7.4	2.9	5.6	5.8	4.2	0.0	0.0	0.0	57.
Rapid Fielding Initiati	ive										•
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
Totals		59.3	8.9	11.6	21.1	17.4	14.9	14.2	5.0	0.0	152.

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)

1	Insta	11,	tio	, C.	ah.	~du	1.
	ınçıa	112	สมาก	n .>(cn	2011	110

•	
Inputs	
Outputs	

Inputs Outputs

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

tals	To	То		2015	FY			2014	FY			2013	FY			2012	FY 2	
		Complete	4	3	2	1	4	3	2	1	4	3	2	1	4	3	2	1

METHOD OF IMPLEMENTATION:

Field Applications

ADMINISTRATIVE LEADTIME:

5 months

PRODUCTION LEADTIME: 8 months

FY 2010 - 31 Mar 10

Contract Dates:

FY 2008 - 31 Mar 08

FY 2009 - 31 Mar 09

FY 2010 - 30 Oct 10

Delivery Dates:

FY 2008 - 30 Oct 08

FY 2009 - 30 Oct 09

Date: February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	200	08	20	09	20	10	20	11	20	12	20	13	T	С	Tot	al
	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

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)
Production Contract Award
First Production Hardware Delivered
First Unit Equipped

2Q FY04 (Actual)
2Q FY05 (Actual)
3Q FY05 (Actual)

Installation Schedule

-	
Inputs	
Outputs	

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

		FY 2	2012			FY 2	2013			FY 2	2014			FY 2	2015		То	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
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

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Exhibit P-3A Individual Modification

Date: F

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	Т	С	Tot	al
	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

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						INDI	VIDUA	L MO	DIFIC	ATION									Ι	Date:	Februar	y 2008			
MODIFICATION T	TTLE: Ra	pid Fieldi	ng Initiat	ive [MO	D 3] T	гвр3																			
MODELS OF SYST	TEM AFF	ECTED:																							
DESCRIPTION / JU These funds the Mounts, Short E	followii Barrels, M	ng items M240 S _l	pare Ba	rrel Ba	gs.			tive:	M122	A1 Triţ	oods, N	И122 <i>А</i>	1 Trip	od A	daptei	rs, M2	40B F	orwar	d Rai	l Kits, l	M192 L	ight W	eight G	round	
Installation Schedul	e																								
		Pr Yr			FY 2	007				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 2	2012				FY 201	3			FY	2014				FY	2015					То			Totals
	1	2	3	4	1			3	4	1	2	3	4		1	2	3	4			Co	mplete			104415
Inputs																									
Outputs																									
METHOD OF IMPI	LEMENT	ATION:	Fiel	d Applic	ations	s AD	MINIST	RATI	VE LEA	ADTIME:	:	5 mor	iths		I	PRODU	CTION	LEAD	TIME:	7 moi	nths				
Contract Dates:			FY	2008 - 3	1 Mar	08						FY 20	009 -						F	Y 2010 -					
Delivery Dates:			FY	2008 - 30	0 Sep	08						FY 20	009 -						F	Y 2010 -					

Date:

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	TO	C	То	tal
	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

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Exhibit P-40, Budget Item .	Justification	Sheet							Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		ombat vehicles			P-	l Item Nomencla PHALANX	ature MODS (GL1000)			1 cordary 2000	
Program Elements for Code B Items:		Code:		Other Re	elated Program	Elements:					
	Prior Years	FY 2007	FY 2	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

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.

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Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weap combat vehicles	ons and			omenclature: DS (GL1000)			Weapon Syste	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	nts	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			15000	00 16	9375						
Total:			15000	00							

Exhibit P-5a, Budget Pro	curement History and Planni	ng						Oate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons	weapon System Type and other combat vehicles		Nomenclature: MODS (GL1000)							
WBS Cost Elements:	Contractor and Locat	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFI Issu Dat
I. System Integration/ Hardware FY 2007	PM Phalanx/Raytheon, Tucso Tucson AZ	n AZ MIPR	Tucson, AZ	Jun 07	Dec 07	16	9375	N	N/A	N/

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

		F	Y 07 /	'08 BU	DGE	ΓPRO	ODUC	CTIO	N SCI	HEDU	LE			P-1 ITE PHALA									Dat	te:	Februa	ry 2008				
	C	OST	ELEM	IENTS							Fiscal '	Year 0	7	•									Fiscal Y	Year 08	1					
			DD C C	1 GGED	Dir									~							Ι									
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ır Year (17								Cale	ndar Ye	ar 08				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
1. S	ystem Ir	ntegratio	on/ Hardv	vare											1												•			•
1	FY 07	A	16	0	16															4		4	4	4						0
								<u> </u>																						
.																														
Tot	al		16		16															4		4	4	4						
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M								PRODU	ICTION 1	RATES							DMIN I	_			MFR		TOTA		REMA	RKS				
F												hed N				Pric	or 1 Oct		r 1 Oct	Aft	ter 1 Oct		After 1							
R				ne - Locati				MIN	1-8-5	MAX	D-	+	1 I	nitial			0	_	12		2		14							
1	PM Ph	alanx/R	laytheon,	Tucson A	Z, Tucso	n AZ		24	24	72				leorder			0		12		2		14		4					
													-	nitial											_					
														teorder											_					
							-				1	_	-	nitial		+						+			4					
											-			teorder		+									1					
								\dashv			+		-	nitial Leorder		-						-			-					
													_	nitial		+						+			1					
								-					-	eorder											1					

Exhibit P-40, Budget Item	Justification	Sheet						Γ	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		mbat vehicles			P-1	Item Nomencla M119 MOD	ture IFICATIONS (GC0-	401)	·	1 Cordary 2006	
Program Elements for Code B Items:		Code:	Otl	her Rela	ated Program	Elements:					
	Prior Years	FY 2007	FY 200	8	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											

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						Γ	Date:	February 2008	
Appropriation / Budget Activity / Seri Procurement of W&TCV, Army / 2		mbat vehicles			P-1	Item Nomencla M16 RIFLE	ture MODS (GZ2800)	·			
Program Elements for Code B Items:		Code:	Othe	er Related Prog	gram	Elements:					
	Prior Years	FY 2007	FY 2008	FY 200	9	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			•								

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-40N	M, Budget Item Justif	ication Sheet						Date:	February 2008		
Appropriation / Budget	Activity / Serial No:				P-1 Item Nomeno	clature		•			
Procuremen	nt of W&TCV, Army / 2 / Weapons and	l other combat vehicles			M16	6 RIFLE MODS (G	Z2800)				
Program Elements for C	Code B Items:						Code:	Other R	elated Program Elen	ments:	
Description		Fiscal Years					-1	l			
OSIP No.	Classification	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total
Modular Weapon Sys	stem 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

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

Inputs	

Outputs

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

L	-																		
İ			FY	2012			FY	2013			FY 2	2014			FY 2	2015		То	Totals
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
Ir	puts																		
O	utputs																		

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

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Date: F

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	200	09	20	10	20	11	20	12	20	13	TO	C	То	tal
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&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

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 2008 (Plan)

First Unit Equipped 3Q08(Plan)

Installation Schedule

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

(Outputs

Inputs Outputs

Inputs

	FY 2	2012			FY 2	2013			FY 2	2014			FY 2	2015		То	Totals
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	

METHOD OF IMPLEMENTATION:

Installed by troops

ADMINISTRATIVE LEADTIME:

3 months

PRODUCTION LEADTIME: 2 months

Contract Dates: Delivery Dates: FY 2008 - May 08 FY 2008 - Jun 08 FY 2009 - Jan 09 FY 2009 - Feb 09 FY 2010 - Jan 10 FY 2010 - Feb 10

GZ2800 M16 RIFLE MODS Item No. 44 Page 5 of 6 275 Exhibit P-3A Individual Modification

Date:

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	r Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	T	C	То	tal
	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

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Exhibit P-3A Individual Modification

Exhibit P-40, Budget Item	Justification	Sheet							Date:	Eabanaari 2009	
Appropriation / Budget Activity / Seri	al No:				P-1	Item Nomencla	nture			February 2008	
Procurement of W&TCV, Army / 2 /		mbat vehicles					TIONS LESS THAN	N \$5.0M (WOCV-W	TCV) (GC0925)		
Program Elements for Code B Items:		Code:	Oth	er Related I	rogram	Elements:					
	Prior Years	FY 2007	FY 2008	B 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											

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-401	M, Budget Item Justif	ication Sheet						Date:	February 2008		
Appropriation / Budget	Activity / Serial No:				P-1 Item Nomeno	clature					
Procuremen	nt of W&TCV, Army / 2 / Weapons and	l other combat vehicles			МО	DIFICATIONS LE	SS THAN \$5.0M	(WOCV-WTCV)	(GC0925)		
Program Elements for C	Code B Items:						Code: A	Other R	elated Program Eler	ments:	
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 Initia	tive										
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

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 Type Classification (Standard) 1Q00 (Actual)
First Unit Equipped 2Q00 (Actual)

Installation Schedule

Inputs Outputs

Inputs Outputs

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

	FY 2012					FY 2013				FY 2	2014			FY 2	2015		То	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete	
Ī																		

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

Date: F

February 2008

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

FINANCIAL PLAN: (\$ in Millions)

ļ	ъ.	3.7	20	2007 2008			2009		2010		2011		2012		2012		TC		7.1	
	Prior										2011		2012		2013				Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Quantity	27315		1306		2645		5421		7843		7660		3255		3101				58546	
Handaran		165		1.1		2.0		2.0						2.5		2.5				20.2
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		0.5		0.5		0.2		0.0		0.5		0.1		0.5				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		0.1				0.6
Fiching		0.2								0.1		0.1		0.1		0.1				0.0
•																				
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

NODIFICATION TITLE: Rapid Fielding Initiative [MOD 2] TBD2	0 FY 2011	FY 2010		1	4		2009	FY 2		eldir	Rapid Fie	the R	nder the	tic ur	Barrel)	Short I	D2 eapon (S roved	2] TBD atic We	and an	uad Au	1249 Squ run Opt	CTED: M ION: Chine Go MAJOR D	/STEM AFFE /JUSTIFICAT EM 145 Mac	MODELS OF SYS DESCRIPTION / J This funds the I DEVELOPMENT
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 FY 2007 FY 2008 FY 2009 FY 2010 Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 1 2 3 3 4 1 1 2 3 3 4 1 1 2 3 3 4 1 1 2 3 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 1 4 1 1				1	4		2009	FY 2		eldir	Rapid Fie					comb	roved	atic We	and an	uad Au	1249 Squ run Opt	CTED: M ION: Chine Go MAJOR D	/STEM AFFE /JUSTIFICAT EM 145 Mac	MODELS OF SYS DESCRIPTION / J This funds the I DEVELOPMENT
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 FY 2007 FY 2008 FY 2009 FY 2010 Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 1 2 3 3 4 1 1 2 3 3 4 1 1 2 3 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 4 1 1 2 1 3 1 1 2 1 3 1 1 1 1 1 1 1 1 1 1				1	4		2009	FY 2		eldir	Rapid Fie					comb	roved FONE(S	n impr	nd an	otic an	un Opt	ION: chine Go IAJOR D	JUSTIFICAT M145 Mac T STATUS / M	DESCRIPTION / J' This funds the I DEVELOPMENT
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 FY 2007 FY 2008 FY 2009 FY 2010 Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 2 3 3 4 1 1 2 3 3 4 1 1 2 3 3 4 1 1 2 3 3 4 1 1 2 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1	4		2009	FY 2		eldii	Rapid Fie				oat op		FONE(S	MILEST	ENT M			chine G	T STATUS / M	This funds the I
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S): Installation Schedule Pr Yr FY 2007 FY 2008 FY 2009 FY 2010 Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 Inputs Outputs FY 2012 FY 2013 FY 2014 FY 2015				1	4		2009	FY 2		eldii	Rapid Fie				oat op		FONE(S	MILEST	ENT M			IAJOR D	T STATUS / M	DEVELOPMENT :
Pr Yr				1	4		1	1				008	FY 2008			S):				OPMEN	DEVELO		dule	
Pr Yr FY 2007 FY 2008 FY 2009 FY 2010 Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 Inputs Outputs FY 2012 FY 2013 FY 2014 FY 2015				1	4		1	1		 		008	FY 2008				,							Installation Schedu
Pr Yr FY 2007 FY 2008 FY 2009 FY 2010 Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 Inputs Outputs FY 2012 FY 2013 FY 2014 FY 2015				1	4		1	1		— T		008	FY 2008											Installation Schedu
Totals 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 1 4 1 2 3 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 1 3 1 1 1 1				1	4		1	1)08	FY 2008				,						_	
Inputs Outputs FY 2012 FY 2013 FY 2014 FY 2015	3 4 1 2 3 4	2 3	2	1	4	3 4	3	2										Y 2007	FY			r Yr	F	
Outputs FY 2012 FY 2013 FY 2014 FY 2015								۷.	1		4	3	2	2	1	4	3	3	2	1	1	otals	Т	
FY 2012 FY 2013 FY 2014 FY 2015		$-\!+\!-\!-$					<u> </u>			\perp														
										<u></u>														Outputs
	To Tot	T		5	Y 2015	FY ?				4	FY 2014					7 2013	FY				012	FY 20		
	Complete	=	4	3	-1	2	1	1	4	3	-		1	4			2	1	ļ.	4	3	2	1	
Inputs Inputs																								Inputs
Outputs Unique View View View View View View View Vie																								Outputs
METHOD OF IMPLEMENTATION: Troop Installation ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 4 mo	4 months	ME: 4 mc	EADTIN	ION LE	OUCTIO	PRODU	P		ns	nonth	3 m	1E:	ADTIME	E LEA	RATIV	INISTI	ADMI	ion	stallati	op Inst	Tro	ΓΙΟN:	1PLEMENTA	METHOD OF IMP
Contract Dates: FY 2008 - Jan 08 FY 2009 - FY 2010	2010 -	FY 2010							19 -	Z 200°	FY							08	- Jan (2008 -	FY 2			Contract Dates:
Delivery Dates: FY 2008 - Apr 08 FY 2009 - FY 2010	2010 -	FY 2010							19 -	7 200 °	FY							08	- Apr	2008 -	FY			Delivery Dates:

INDIVIDUAL MODIFICATION Date: February 2008

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

FINANCIAL PLAN: (\$ in Millions)

	Prior	Yrs.	20	07	20	08	20	09	20	10	20	11	20	12	20	13	TO	С	To	tal
	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 / Seri. Procurement of W&TCV, Army / 2 /		mbat vehicles		F	-1 Item Nomen	clature LESS THAN \$5.0M (V	VOCV-WTCV) (GI	L3200)		
Program Elements for Code B Items:		Code:	Other	Related Progra	m Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty		11121	1800	0 609	94				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

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 / Weap combat vehicles	ons and			menclature: IAN \$5.0M (WOC	CV-WTCV) (GL32	200)	Weapon System	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	nts	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. 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	2	
4. Integrated Logistic Support			249			75			2:	5	
5. Base Security / National Guard						1589					
Total:			7095			7511			218'	7	1

Exhibit P-5a, Budget Procurement	nt Histor	y and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other con	bat vehicles	Weapon System Type:	P-1 Line Item ITEMS LESS	Nomenclature: THAN \$5.0M (WOCV-WTC	(V) (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	RFF Issue Date
1. M9 pistols											
FY 2007	Beretta U Accokeek	.S.A. Corp. , MD	Option	JM&L LCMC, Rock Island,IL	Jun 07	Sep 07	11121	0.3	Y		
FY 2008	Beretta U Accokeek	.S.A. Corp. , MD	Option	JM&L LCMC, Rock Island,IL	Dec 07	Jun 08	18000	0.3	Y		
FY 2009	Beretta U Accokeek	.S.A. Corp. , 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

		F	FY 07 /	08 BU	DGET	r PR(DUC	CTIO	N SCI	HEDU	LE			P-1 ITEN ITEMS I				CV-WT	CV) (GI	L3200)			Date		Februar	y 2008				
ı	CO	ST	ELEM	IENTS	}						Fiscal Y	ear 07											Fiscal Y	ear 08						
		S	PROC	ACCEP	BAL									Calenda	w Woom O	7								Colon	dar Yea	00				
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1. M9 p	istols			•				•		•				•			•				•				•	•				•
1 FY & P		A	13	0	13									13																0
1 FY	07	A	11121	0	11121									A			750	750	750	750	750	750	725	750	750	750	1215	1215	1216	0
1 FY	08	A	18000	0	18000															Α						750	750	1650	1650	13200
1 FY	09	A	6094	0	6094																									6094
1 FY & P		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 & P		FMS	1575	0	1575								90	394	21				386	72			112	150	350					0
1 FY	07 1	FMS	1036	0	1036																				14					1022
1 FY	08 1	FMS	9672	0	9672																							-		9672
1 FY	07 1	MC	11	0	11														11											0
1 FY	07	NA	4757	0	4757																									4757
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	C O E A E A P A U U E C O E A E A P A U U E																													
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		F	Y 07 /	08 BU	DGET	ΓPR()DU(CTIO	N SCI	HEDU	JLE			P-1 ITEN ITEMS L				CV-WI	TCV) (G	L3200)			Dat	e:	Februa	ry 2008					
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M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	7								Cale	ndar Ye	ar 08					
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	1	FY 07	A	11121	11121																										0
1 FY 06 AF 152899 152899 152899 152899 152899 152899 152899 152899 1528999 1528999 1528999	1	FY 08	A	18000	4800	13200	1650	1650	1650	1650	1650	1650	1650	1650																	0
R P R R R P R R R P R R P R R P R R P R R P R P	1	FY 09	A	6094	0	6094				A					507	507	624	1014	1014	1014	907	507									0
R PR R PR	1		AF	15289	15289																										0
1 FY 08 FMS 9672 0 9672 0 9672 0 0 0 0 0 0 0 0 0	1		FMS	1575	1575																										0
1 FY 07 MC	1	FY 07	FMS	1036	14	1022			200	822																					0
1 FY 07 NA 4757 0 4757 1 0 4757 1 0 4757 0 5 0 750 750 750 750 750 750 750 75	1	FY 08	FMS	9672	0	9672									1000	1000	1000	1000	1000	1000	1000	1000	1672								0
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M						PRODUCTION RATES ADMIN LEAD TIME MFR TOTAL REMARKS M9 Pistol contractor is planning to increase																								
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R Name - Location MIN 1-8-5 MAX D+ 1 Beretta U.S.A. Corp., Accokeek, MD 1000 6000 21600 6								-				1		2		7		9		max ra	te of 34,	800.								
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Exhibit P-40, Budget Item	Justification	Sheet							Date:	E 1 2000	
										February 2008	
Appropriation / Budget Activity / Ser Procurement of W&TCV, Army / 2		mbat vehicles]	P-1 Ite	em Nomencla PRODUCTI	ture ON BASE SUPPOR	T (WOCV-WTCV)	(GC0050)		
Program Elements for Code B Items:		Code:	Other	Related Progra	am El	lements:					
	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	5.5	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	5.5	7.1	6.1	6.8	7.0		392.8
Initial Spares											
Total Proc Cost	325.5	6.3	27.	4 (5.5	7.1	6.1	6.8	7.0		392.8
Flyaway U/C											
Weapon System Proc U/C											

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 / Weap combat vehicles	ons and			omenclature: BASE SUPPORT	(WOCV-WTCV)	(GC0050)	Weapon System	m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	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			424	7		4945			4841		
LIF			205	9		22435			1704	·	
Total:			630	6		27380			6545	5	

Exhibit P-40, Budget Item .	Justification	Sheet						I	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		mbat vehicles			P-1	Item Nomencla PIF2 OMNI	ture BUS (WOCV-WTC)	V) (GC2001)		Cordary 2006	
Program Elements for Code B Items:		Code:	Oth	er Related Prog	ram	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	9	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost	261.9	4.2		1.9	4.8	4.8	3.7	3.8	3.9	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	261.9	4.2		1.9	4.8	4.8	3.7	3.8	3.9	Continuing	Continuing
Initial Spares											
Total Proc Cost	261.9	4.2		1.9	4.8	4.8	3.7	3.8	3.9	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

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

Item No. 47 Page 3 of 8

Appropriation / Budget Activity / Serial No: Brousement of WEVC-Award 2/ Wegons and other committees the Program Elements. Coule: 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 est 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
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	Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other co	ombat vehicles			
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	Program Elements for Code B Items:	Code:	Other Related Prog	gram Elements:	
	collected and safety and environmental hazards are min FY 2009 funds will also provide for the repair and refur	imized. Benefits of bishment of Hot an	of this project include include include and Cold Forges used in the	creased test efficiencies and decreased costs and the production of gun barrels for the MK19 Gren	risks to Army Program Managers. ade Launcher and M2 Machine Gun at General

Exhibit P-40, Budget Item	Justification	Sheet					Ι	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		ombat vehicles		P	P-1 Item Nomenclature LAYAWAY OF INDUSTRIAL FACILITIES (GC2100)					
Program Elements for Code B Items:	Code:	Other	Related Progra	m 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 P1	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										

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.

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Exhibit P-40C, Budget Iten	n Justification Sheet				Date: Februar	ry 2008
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army	y / 2 / Weapons and other combat vehicles	P-1 Item Nom LAY	enclature AWAY OF INDUSTRIAL FAC	EILITIES (GC2100)		
rogram Elements for Code B Items:						
Location	Project Title	Proj	ect FY	07	FY 08	FY 09
Rock Island Arsenal Rock Island, Illinois	Layaway of Industrial Facilities (LIF)	U76	667 1.3	336	0.664	0.827
Watervliet ArsenalWatervliet, New York	Layaway of Industrial Facilities (LIF)	U76	667 0.3	723	0.671	0.877
Rock Island, Arsenal Rock Island, Illinois	Arsenal Support Program Initiative (ASPI)	A76	667		11.500	
Watervliet ArsenalWatervliet, New York	Arsenal Support Program Initiative (ASPI)	A76	667		9.600	
	Total		2.0)59	22.435	1.704

Date: Exhibit P-17, Layaway and/or Distribution February 2008 Appropriation / Budget Activity / Serial No: P-1 Item Nomenclature Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles 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.

	Acturer (Name and Location) Rock Island Arsenal Rock Island, Illinois Production Lines being laid away (Include Location) Areas in Building 208/212/220 Continuous							
Layaway Cost:	0.827		Other Costs:			Annual Maintenance Cost	:	
Project: U7667	FY 2007	FY 2008	FY 2009	FY 2010	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 Watervliet Arse	l Location) nalWatervliet, New York		Production Lines being la Areas in Buildin	id away (Include Location) ag 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 Rock Island, Ar	Location) senal Rock Island, Illinois		Production Lines being la	id 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.

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Exhibit P-17, Layaway and/or Distribution				Date: February 2008
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other com	nbat vehicles		P-1 Item Nomenclature LAYAWAY OF INDUSTRIAL FAC	CILITIES (GC2100)
Congress first authorized the ASPI within the FY 2001 Defense Authorizactivity into the arsenals to reduce government operating costs by sharing community relations, and reduction of future conveyance costs. These efavoid unneeded infrastructure costs.	g overhead burdens. The benefits to	the Army include overhea	ad cost reduction, reduced facility maintenar	nce costs, local skill retention, positive
Manufacturer (Name and Location) Watervliet ArsenalWatervliet, New York	Production Lines being	g laid away (Include Loc	ration) Producti	on Ends
Layaway Cost:	Other Costs:	9.600	Annual N	Maintenance Cost:

Exhibit P-40, Budget Item .	Justification	Sheet						D	Date:	February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		ombat vehicles			P-1	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 2	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											

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 / Weap combat vehicles	ons and		P-1 Line Item Nomenclature: INDUSTRIAL PREPAREDNESS (GC0075)					m Type:	Date:	February 2008
WTCV				FY 07			FY 08			FY 09	
Cost Elements			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
				Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Hawthorne Army Depot			61			25			7-	4	
Rock Island Arsenal			3188			733			199	9	
Watervliet Arsenal			718			423			103	1	
Arsenal Support Program Incentive (ASPI)			8850								
Total:			12817			1181			310	4	

Exhibit P-26, Maintenance of	Inactive Industrial I	Facilities	Appropriation / Budget Ac Procurement of W&TCV,	ctivity / Serial No: Army/2/Weapons and other	combat vehicles	Date:	February 2008
Inactive Lines at Contractor Plants	Facil	ity: Hawthorne Army	Depot	Contractor:	Day & Zimmerman, Ha	awthorne Corporation	Į.
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 req commitment.	uirement will provide for con	stractor storage and inspe	ection of Industrial Plant Eq	uipment (IPE) at Hawth	orne Army Depot(HWAD)). These costs represer	t a contractual
Inactive Lines at Active Plants	Facil	ity: Rock Island Arser	nal	Contractor: 1	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	unirement is for the maintenan	uce of laid away portions	of active weapons product	ion plants and the storage	e protection and mainten	ance of laid away Gove	nment_owned
OTHER Description: The Fiscal Year (FY) 2009 req equipment being stored on-site at Rock Islant tooling (ST), and special test equipment (ST share of the recurring overhead costs such a	nd Arsenal (RIA). Funds are FE) being retained as part of a sgrounds maintenance, fire p	used for maintenance of approved plant equipmen protection, plant security,	laid away weapons produc t packages (PEPs) which ar and administrative support	tion facilities to include re required to support fut t. FY09:42 laid away pio	utilities, buildings, nonsev ture production and replen eces of equipment.	verable equipment, plan	equipment, special
OTHER Description: The Fiscal Year (FY) 2009 req equipment being stored on-site at Rock Islat tooling (ST), and special test equipment (ST share of the recurring overhead costs such a Inactive Lines at Active Plants	nd Arsenal (RIA). Funds are ΓΕ) being retained as part of a s grounds maintenance, fire p	used for maintenance of approved plant equipment protection, plant security, ity: Watervliet Arsena	laid away weapons produc t packages (PEPs) which ar and administrative support	tion facilities to include re required to support fut t. FY09:42 laid away pio Contractor:	utilities, buildings, nonsex ture production and replen eces of equipment.	verable equipment, plan uishment requirements.	equipment, special Also, includes a fair
OTHER Description: The Fiscal Year (FY) 2009 req equipment being stored on-site at Rock Islant tooling (ST), and special test equipment (ST) share of the recurring overhead costs such a Inactive Lines at Active Plants Funding	nd Arsenal (RIA). Funds are FE) being retained as part of a segrounds maintenance, fire p Facil FY 2007	used for maintenance of approved plant equipment or otection, plant security, ity: Watervliet Arsena FY 2008	laid away weapons product packages (PEPs) which are and administrative supported. FY 2009	tion facilities to include re required to support fut t. FY09:42 laid away pid Contractor: FY 2010	utilities, buildings, nonsevence production and repleneces of equipment. Not Applicable FY 2011	verable equipment, plan iishment requirements. FY 2012	equipment, special Also, includes a fair FY 2013
OTHER Description: The Fiscal Year (FY) 2009 req equipment being stored on-site at Rock Islant tooling (ST), and special test equipment (ST) share of the recurring overhead costs such a Inactive Lines at Active Plants Funding MAINTENANCE	nd Arsenal (RIA). Funds are ΓΕ) being retained as part of a s grounds maintenance, fire p	used for maintenance of approved plant equipment protection, plant security, ity: Watervliet Arsena	laid away weapons produc t packages (PEPs) which ar and administrative support	tion facilities to include re required to support fut t. FY09:42 laid away pio Contractor:	utilities, buildings, nonsex ture production and replen eces of equipment.	verable equipment, plan uishment requirements.	equipment, special Also, includes a fair
OTHER Description: The Fiscal Year (FY) 2009 req equipment being stored on-site at Rock Islant tooling (ST), and special test equipment (ST) share of the recurring overhead costs such a Inactive Lines at Active Plants Funding MAINTENANCE RECURRING	nd Arsenal (RIA). Funds are FE) being retained as part of a segrounds maintenance, fire p Facil FY 2007	used for maintenance of approved plant equipment or otection, plant security, ity: Watervliet Arsena FY 2008	laid away weapons product packages (PEPs) which are and administrative supported. FY 2009	tion facilities to include re required to support fut t. FY09:42 laid away pid Contractor: FY 2010	utilities, buildings, nonsevence production and repleneces of equipment. Not Applicable FY 2011	verable equipment, plan iishment requirements. FY 2012	equipment, special Also, includes a fair FY 2013
OTHER Description: The Fiscal Year (FY) 2009 req equipment being stored on-site at Rock Islant tooling (ST), and special test equipment (ST) share of the recurring overhead costs such a Inactive Lines at Active Plants Funding MAINTENANCE RECURRING ENVIRONMENTAL	nd Arsenal (RIA). Funds are FE) being retained as part of a segrounds maintenance, fire p Facil FY 2007	used for maintenance of approved plant equipment or otection, plant security, ity: Watervliet Arsena FY 2008	laid away weapons product packages (PEPs) which are and administrative supported. FY 2009	tion facilities to include re required to support fut t. FY09:42 laid away pid Contractor: FY 2010	utilities, buildings, nonsevence production and repleneces of equipment. Not Applicable FY 2011	verable equipment, plan iishment requirements. FY 2012	equipment, special Also, includes a fair FY 2013
OTHER Description: The Fiscal Year (FY) 2009 req equipment being stored on-site at Rock Islat tooling (ST), and special test equipment (ST) share of the recurring overhead costs such a Inactive Lines at Active Plants Funding MAINTENANCE RECURRING ENVIRONMENTAL OTHER	nd Arsenal (RIA). Funds are ΓΕ) being retained as part of a segrounds maintenance, fire p Facil FY 2007 718	used for maintenance of approved plant equipment or of the protection, plant security, ity: Watervliet Arsenate FY 2008 423	laid away weapons product packages (PEPs) which are and administrative supported at FY 2009	contractor: 1 FY 2010 513	utilities, buildings, nonsexture production and replenteces of equipment. Not Applicable FY 2011 105	FY 2012	equipment, special Also, includes a fair FY 2013
OTHER Description: The Fiscal Year (FY) 2009 req equipment being stored on-site at Rock Islant tooling (ST), and special test equipment (ST) share of the recurring overhead costs such a Inactive Lines at Active Plants Funding MAINTENANCE RECURRING ENVIRONMENTAL	Facil FY 2007 FY 2007 The maintenance of the ma	used for maintenance of approved plant equipment protection, plant security, ity: Watervliet Arsena FY 2008 423 acc of laid away portions used for maintenance of approved plant equipment	laid away weapons product t packages (PEPs) which are and administrative support al FY 2009 1031 of active weapons product laid away weapons product t packages (PEPs) which are	contractor: FY 2010 513 ion plants and the storagetion facilities to include required to support fut the facilities to include required to support fut the facilities to include re required to support fut	utilities, buildings, nonsever production and repleneres of equipment. Not Applicable FY 2011 105 e, protection, and maintenere utilities, buildings, nonsevere replenishment require	FY 2012 1407 ance of laid away Goveverable equipment, plan	equipment, special Also, includes a fair FY 2013 1412 rnment-owned equipment, special
OTHER Description: The Fiscal Year (FY) 2009 req equipment being stored on-site at Rock Islant tooling (ST), and special test equipment (ST) share of the recurring overhead costs such a Inactive Lines at Active Plants Funding MAINTENANCE RECURRING ENVIRONMENTAL OTHER Description: The Fiscal Year (FY) 2009 req equipment being stored on-site at Watervliet tooling (ST), and special test equipment (ST)	round Arsenal (RIA). Funds are ΓΕ) being retained as part of a segrounds maintenance, fire part of a segrounds maintenance, fire part of a segrounds maintenance. FY 2007 718 quirement is for the maintenance at Arsenal (WVA). Funds are ΓΕ) being retained as part of a saintenance, fire protection, plants are ΓΕ protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ protection, plants are ΓΕ protection, plants are ΓΕ protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ part of a saintenance, fire protection, plants are σε part of a saintenance.	used for maintenance of approved plant equipment protection, plant security, ity: Watervliet Arsena FY 2008 423 acc of laid away portions used for maintenance of approved plant equipment ant security, and administration	laid away weapons product t packages (PEPs) which are and administrative support al FY 2009 1031 of active weapons product laid away weapons product t packages (PEPs) which are	contractor: FY 2010 FY 2010 513 ion plants and the storagetion facilities to include required to support fut the facilities to include required to support fut laid away pieces of equipal and away pieces of equipal and away pieces of equipal and away pieces of equipal and away pieces of equipal and away pieces of equipal and away pieces of equipal and away pieces of equipal and away pieces of equipal and away pieces of equipal and away pieces of equipal and away pieces of equipal and away pieces of equipal away pieces o	utilities, buildings, nonsever production and repleneres of equipment. Not Applicable FY 2011 105 e, protection, and maintener utilities, buildings, nonsever replenishment require pment.	FY 2012 1407 ance of laid away Goveverable equipment, plan	equipment, special Also, includes a fair FY 2013 1412 rnment-owned equipment, special
OTHER Description: The Fiscal Year (FY) 2009 req equipment being stored on-site at Rock Islant tooling (ST), and special test equipment (ST) share of the recurring overhead costs such a Inactive Lines at Active Plants Funding MAINTENANCE RECURRING ENVIRONMENTAL OTHER Description: The Fiscal Year (FY) 2009 req equipment being stored on-site at Watervlie tooling (ST), and special test equipment (ST) recurring overhead costs such as grounds m	round Arsenal (RIA). Funds are ΓΕ) being retained as part of a segrounds maintenance, fire part of a segrounds maintenance, fire part of a segrounds maintenance. FY 2007 718 quirement is for the maintenance at Arsenal (WVA). Funds are ΓΕ) being retained as part of a saintenance, fire protection, plants are ΓΕ protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ protection, plants are ΓΕ protection, plants are ΓΕ protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ part of a saintenance, fire protection, plants are ΓΕ part of a saintenance, fire protection, plants are σε part of a saintenance.	used for maintenance of approved plant equipment protection, plant security, ity: Watervliet Arsena FY 2008 423 acc of laid away portions used for maintenance of approved plant equipment ant security, and administration	laid away weapons product t packages (PEPs) which are and administrative support all FY 2009 1031 of active weapons product laid away weapons product t packages (PEPs) which are strative support. FY09: 26	contractor: FY 2010 FY 2010 513 ion plants and the storagetion facilities to include required to support fut the facilities to include required to support fut laid away pieces of equipal and the storagetion facilities to include required to support fut laid away pieces of equipal and the storagetion facilities to include required to support fut laid away pieces of equipal and the storagetion facilities to include required to support fut laid away pieces of equipal and the storagetion facilities to include required to support fut laid away pieces of equipal and the storagetion facilities to include required to support fut laid away pieces of equipal away pieces of equipal and the storagetion facilities to include required to support fut laid away pieces of equipal away pieces of equipal and the storagetion facilities to include required to support fut laid away pieces of equipal a	utilities, buildings, nonsever production and repleneres of equipment. Not Applicable FY 2011 105 e, protection, and maintener utilities, buildings, nonsever replenishment require pment.	FY 2012 1407 ance of laid away Goveverable equipment, plan	equipment, special Also, includes a fair FY 2013 1412 rnment-owned equipment, special

Exhibit P-26, Maintenance of	Inactive Industria	l Facilities	Appropriation / Budget Procurement of W&TC	Activity / Serial No: V, Army/2/Weapons and other	er combat vehicles	Date:	February 2008
RECURRING							
ENVIRONMENTAL							
OTHER	8850						
Description: The Arsenal Support Program I underutilized government owned facilities to	Initiative (ASPI) provides to make them usable and at	the means for organic man tractive to paying commerc	ufacturing plants to attra cial tenants. Program goa	ct commercial entities to o	occupy unused space on the docsts associated with ma	ne arsenals by renovatir aintaining Arsenal capa	g/modernizing idle and city supporting DoD.

Exhibit P-40, Budget Item	Justification	Sheet						Γ	Pate:	E.I. 2000	
										February 2008	
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		mbat 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	9	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost	68.9	10.9	4	1.4	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	1.4	1.3	5.1	4.2	5.2	5.2		105.1
Initial Spares											
Total Proc Cost	68.9	10.9	4	1.4	1.3	5.1	4.2	5.2	5.2		105.1
Flyaway U/C											
Weapon System Proc U/C			·								

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 / Weaps combat vehicles	ons and	other SMA	P-1 Line Item Nomenclature: SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) (GC0076)					m Type:	Date:	February 2008
WTCV		ID		FY 07			FY 08			FY 09	
Cost Elemen	Cost Elements					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		В				1093	205	5	1250	0 210	
Close Combat Mission Capability Kit		В	43	6543		1640	29757				
Laser Range Finder			360	10000							
M203 Day Night Sight			455	9 4569	1						
2. ENGINEERING SUPPORT			82	9		290					
3. INTEGRATED LOGISTICAL SUPPORT			17	5		150					
4. FIELDING			12	2		241					
5. PM SUPPORT			67	5		730					
6. CONTRACTOR LOGISTICS SPT			38	О		250					
7. NEW EQUIPMENT TRAINING			10	О							
8. SPARES			6	5							
Total:			1094	1		4394			1250		

Exhibit P-5a, Budget Proc	urement Histor	ry and Planning							Date: February 2008					
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons a	nd 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 Overland	Corp. Park, KS	SS/FP	JM&L LCMC, Picatinny	Mar 08	May 08	10000							
M203 Day Night Sight														
FY 2007	Insight T Londond	echnology erry, NH	C/FP	JM&L LCMC, Picatinny	Jul 07	Mar 08	4569	1						

REMARKS:

		F	Y 07 /	08 BU	DGET	r PR C)DU(CTIO	N SCI	HEDUI	L E			P-1 ITEN SMALL	M NOME ARMS E			OLDIEI	R ENH I	PROG) (GC0076	5)	Dat	e:	Februa	ry 2008				
ı	COS	ST F	ELEM	1ENTS	5					1	Fiscal Y	ear 07											Fiscal Y	Zear 08						
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Advance	d Snip	per Ac	ccessory	Kit	1																									
2 FY		L.	205	0	205																							A		205
2 FY)9 A		210	0	210																									210
Close C	ombat	Missi	on Capa	bility Kit																										
1 FY)7 A	1	6543	0	6543																	A			1818					0
1 FY)8 A		29757	0	29757								<u> </u>									A	275	5000	3182	5000	5000	5000	5000	1300
Laser R	ange F	inder																												
3 FY)7 A	L	10000	0	10000								<u> </u>										A		3800	1000	2500	400	800	1500
M203 D					1													1		1		1		1						
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1 TB	D1, Tl	BD					5	5000	60000	120000			Re	eorder			1		2		5		7							
2 TB	D2, Tl	BD						100	1340	2680		2	2 Ini	itial			2		3		7		10							
3 Bu	shnell	Corp.	, Overlai	nd Park, K	S		3	3000	18000	30000			Re	eorder			2		2		5		7							
4 Ins	ight Te	echnol	ogy, Lo	ondonderry	, NH		3	3000	12000	18000		3	3 Ini	itial			7		5		1		6							
													Re	eorder			6		5		1		6							
												4	1 Ini	itial			3		9		1		10							
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		FY 09 /	10 BU	DGET	r PRC	DUC	CTIO	N SCI	HEDU	LE			P-1 ITEN SMALL				OLDIE	R ENH I	PROG) (GC0076	i)	Dat	e:	Februa	ry 2008				
	COST	ELEN	IENTS	}						Fiscal Y	Year 09)	ı									Fiscal Y	ear 10	1					
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M	S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	9								Cale	ndar Ye	ar 10				
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Advance	d Sniper	Accessory	Kit					•		•			•									•							
2 FY 0	8 A	205	0	205	100	105																							0
2 FY 0		210		210			A		105	105																			0
		ssion Capa	bility Kit																										
1 FY 0		6543	6543																										0
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	D2, TBD						100	1340	2680			2 <u>I</u>	nitial			2		3		7		10							
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Exhibit P-40, Budget Item J	lustification	Sheet						Date:	February 2008				
Appropriation / Budget Activity / Serial Procurement of W&TCV, Army / 2 / W		nbat vehicles			P-1 Item Nomenclature REF Small Arms (G15400)								
Program Elements for Code B Items:		Code:	Ot	Other Related Prog	ram Elements:								
	Prior Years	FY 2007	FY 200	08 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													

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

Justification:

FY2009 has no funding.

FY2007 funding total includes \$.560 million received in GWOT supplemental.

use, but are appropriate for the current combatant operational commanders; needs in at least one theater of operations.

Exhibit P-40, Budget Item	Justification	Sheet						Date: February 2008					
Appropriation / Budget Activity / Seri Procurement of W&TCV, Army / 2 /		mbat 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 200	08 FY 200	9 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													

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 available for the same purpose."