

# DEPARTMENT OF THE ARMY

## Procurement Programs



Committee Staff Procurement Backup Book  
Fiscal Year (FY) 2010 Budget Estimates

### **WEAPONS AND TRACKED COMBAT VEHICLES, ARMY**

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APPROPRIATION

May 2009

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DEPARTMENT OF THE ARMY  
FY 2010 PROCUREMENT PROGRAM (WORKSETS INCLUDED)  
President's Budget 2010/11

EXHIBIT P-1

TABLE OF CONTENTS

SUMMARY BY APPROPRIATION

SUMMARY BY ACTIVITY:

Procurement of W&TCV, Army

ACTIVITY:	01	Tracked combat vehicles
ACTIVITY:	02	Weapons and other combat vehicles

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DEPARTMENT OF THE ARMY  
FY 2010 PROCUREMENT PROGRAM (WORKSETS INCLUDED)  
President's Budget 2010/11

EXHIBIT P-1

APPROPRIATION SUMMARY APPROPRIATION	DOLLARS IN THOUSANDS		
	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Procurement of W&TCV, Army	<u>9,444,989</u>	<u>5,665,827</u>	<u>3,211,418</u>
<b>TOTAL PROCUREMENT PROGRAM</b>	<b><u>9,444,989</u></b>	<b><u>5,665,827</u></b>	<b><u>3,211,418</u></b>

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DEPARTMENT OF THE ARMY  
FY 2010 PROCUREMENT PROGRAM (WORKSETS INCLUDED)  
President's Budget 2010/11

EXHIBIT P-1

APPROPRIATION ACTIVITY	DOLLARS IN THOUSANDS		
	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
01 Tracked combat vehicles	7,663,761	4,618,454	2,297,530
02 Weapons and other combat vehicles	1,781,228	1,047,373	913,888
<b>APPROPRIATION TOTALS</b>	<b>9,444,989</b>	<b>5,665,827</b>	<b>3,211,418</b>

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DEPARTMENT OF THE ARMY  
 FY 2010 PROCUREMENT PROGRAM (WORKSETS INCLUDED)  
 President's Budget 2010/11

EXHIBIT P-1

Line No	ITEM NOMENCLATURE	ID	DOLLARS IN THOUSANDS									
			ACTIVITY 01 Tracked combat vehicles		FY 2009		BASE		FY 2010		TOTAL	
			QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
<b>TRACKED COMBAT VEHICLES</b>												
1	BRADLEY PROGRAM (G80718)	B		1,677,885		394,800						
2	BRADLEY TRAINING DEVICES (MOD) (GZ2500)	A		4,652		10,954						
3	ABRAMS TANK TRAINING DEVICES (GB1300)	A				2,991						
4	STRYKER VEHICLE (G85100)			2,792,070		1,308,984		388,596				388,596
5	Future Combat Systems: (FCS) (G86100)			-50,832		(156,140)		(26,087)				
	Less: Advance Procurement (PY)					(-28,100)		(-26,087)				
				50,832		128,040		0				
6	Future Combat Systems: (FCS) (G86100)											
	Advance Procurement (CY)			28,100		26,087						
7	FCS SPIN OUTS (G86200)	B				-25,499		(329,059)				(329,059)
	Less: Advance Procurement (PY)					(-1,370)		(-43,139)				(-43,139)
						24,129		285,920				285,920
8	FCS SPIN OUTS (G86200)											
	Advance Procurement (CY)			1,370		43,139		42,001				42,001
	<b>SUB-ACTIVITY TOTAL</b>			<b>4,554,909</b>		<b>1,939,124</b>		<b>716,517</b>		<b>0</b>		<b>716,517</b>
<b>MODIFICATION OF TRACKED COMBAT VEHICLES</b>												
9	FIST VEHICLE (MOD) (GZ2300)			160,361		33,327		34,192		36,000		70,192
10	BRADLEY PROGRAM (MOD) (GZ2400)	A		181,893		852,005		526,356		243,600		769,956
11	HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)	A		60,448		28,828		96,503		37,620		134,123
12	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0400)	A		281,524		369,110		96,814				96,814
13	ARMORED BREACHER VEHICLE (G82925)	A		44,846				63,250				63,250

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DEPARTMENT OF THE ARMY  
 FY 2010 PROCUREMENT PROGRAM (WORKSETS INCLUDED)  
 President's Budget 2010/11

EXHIBIT P-1

APPROPRIATION	Procurement of W&TCV, Army	ACTIVITY 01 Tracked combat vehicles	DOLLARS IN THOUSANDS										
			FY 2008		FY 2009		BASE		FY 2010		TOTAL		
			QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	
14	JOINT ASSAULT BRIDGE (GZ3001)	A		10,313		40,345		70,637					70,637
15	M1 ABRAMS TANK (MOD) (GA0700)	A		1,123,087		766,462		183,829					183,829
16	ABRAMS UPGRADE PROGRAM (GA0750)	A		1,238,672		580,543		185,611					185,611
	<i>SUB-ACTIVITY TOTAL</i>			<i>3,101,144</i>		<i>2,670,620</i>		<i>1,257,192</i>		<i>317,220</i>			<i>1,574,412</i>
<b>SUPPORT EQUIPMENT AND FACILITIES</b>													
17	ITEMS LESS THAN \$5.0M (TCV-WTCV) (GL3100)					1,595							
18	PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050)			7,708		7,115		6,601					6,601
	<i>SUB-ACTIVITY TOTAL</i>			<i>7,708</i>		<i>8,710</i>		<i>6,601</i>		<i>0</i>			<i>6,601</i>
	<b>ACTIVITY TOTAL</b>			<b>-</b>	<b>7,663,761</b>	<b>-</b>	<b>4,618,454</b>	<b>-</b>	<b>1,980,310</b>	<b>-</b>	<b>317,220</b>	<b>0</b>	<b>2,297,530</b>

FY 2010 PROCUREMENT PROGRAM (WORKSETS INCLUDED)

President's Budget 2010/11

APPROPRIATION Procurement of W&TCV, Army

ACTIVITY 02 Weapons and other combat vehicles

DOLLARS IN THOUSANDS

Line No	ITEM NOMENCLATURE	ID	FY 2008		FY 2009		BASE		FY 2010		TOTAL	
			QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
<b>WEAPONS AND OTHER COMBAT VEHICLES</b>												
19	HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)	A		117,234		112,598		95,631				95,631
20	M240 Medium Machine Gun (7.62mm) (G13000)	A		101,491		83,990		32,919				32,919
21	MACHINE GUN, CAL .50 M2 ROLL (GB2000)	A		57,281		99,586		84,588				84,588
22	LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)	A						977				977
23	M249 SAW Machine Gun (5.56mm) (G12900)	A		45,919		22,069		7,535				7,535
24	MK-19 Grenade Machine Gun (40mm) (G13400)	A		64,413		17,277		7,700				7,700
25	Mortar Systems (G02200)			53,619		16,975		14,779				14,779
26	M107, CAL. 50, SNIPER RIFLE (G01500)			784		222		224				224
27	XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)	A		30,167		31,662		16,023		13,900		29,923
28	M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)	A		10,389		7,385		6,223				6,223
29	M4 Carbine (G14904)	A		178,341		150,610		20,500				20,500
30	SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18:	A		10,065		9,070		6,945				6,945
31	Common Remotely Operated Weapons Station (CROWS) (G04700)			223,212		279,500				235,000		235,000
32	HANDGUN (G15325)	A				1,962		3,389				3,389
33	HOWITZER LT WT 155MM (T) (G01700)			470,591		112,871		49,572		107,996		157,568
	<b>SUB-ACTIVITY TOTAL</b>			<b>1,363,506</b>		<b>945,777</b>		<b>347,005</b>		<b>356,896</b>		<b>703,901</b>

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President's Budget 2010/11

APPROPRIATION Procurement of W&TCV, Army

ACTIVITY 02 Weapons and other combat vehicles

DOLLARS IN THOUSANDS

Line No	ITEM NOMENCLATURE	ID	FY 2008		FY 2009		BASE		FY 2010		TOTAL	
			QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
<i>MODIFICATION OF WEAPONS AND OTHER COMBAT VEHICLES</i>												
34	MK-19 Grenade Machine Gun MODS (GB3000)			6,222		7,631		8,164				8,164
35	M4 CARBINE MODS (GB3007)	A		132,890		16,746		31,472				31,472
36	M2 50 Cal Machine Gun MODS (GB4000)	B		21,665		12,500		7,738		27,600		35,338
37	M249 SAW Machine Gun MODS (GZ1290)			25,279		7,067		7,833		20,900		28,733
38	M240 Medium Machine Gun MODS (GZ1300)	A		14,635		21,066		17,964		4,800		22,764
39	PHALANX MODS (GL1000)	A		138,228								
40	M119 MODIFICATIONS (GC0401)	A		1,782		961		25,306		21,250		46,556
41	M16 RIFLE MODS (GZ2800)	A		5,905		1,178		4,186				4,186
42	MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) (GC0925)			23,092		3,752		6,164				6,164
47	M14 7.62 Rifle (MOD) (GZ2801)									5,800		5,800
<i>SUB-ACTIVITY TOTAL</i>				<i>369,698</i>		<i>70,901</i>		<i>108,827</i>		<i>80,350</i>		<i>189,177</i>

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DEPARTMENT OF THE ARMY  
 FY 2010 PROCUREMENT PROGRAM (WORKSETS INCLUDED)  
 President's Budget 2010/11

EXHIBIT P-1

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EXHIBIT P-1  
 Page 7 of 8



APPROPRIATION Procurement of W&TCV, Army

ACTIVITY 02 Weapons and other combat vehicles

DOLLARS IN THOUSANDS

Line No	ITEM NOMENCLATURE	ID	FY 2008		FY 2009		BASE		FY 2010		TOTAL	
			QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
									OCO			
<i>SUPPORT EQUIPMENT AND FACILITIES</i>												
43	ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)			7,511		2,181		551			5,000	5,551
44	PRODUCTION BASE SUPPORT (WOCV-WTCV) (GC0050)			27,616		19,986		9,855				9,855
45	INDUSTRIAL PREPAREDNESS (GC0075)			945		7,282		392				392
46	SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) (GC0076)			11,952		1,246		5,012				5,012
<i>SUB-ACTIVITY TOTAL</i>				<i>48,024</i>		<i>30,695</i>		<i>15,810</i>		<i>5,000</i>		<i>20,810</i>
<b>ACTIVITY TOTAL</b>				<b>1,781,228</b>		<b>1,047,373</b>		<b>471,642</b>		<b>442,246</b>		<b>913,888</b>
<b>APPROPRIATION TOTAL</b>				<b>9,444,989</b>		<b>5,665,827</b>		<b>2,451,952</b>		<b>759,466</b>		<b>3,211,418</b>

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## Table of Contents - Procurement of W&TCV, Army

BLIN	SSN	Nomenclature	Page
001	G80718	BRADLEY PROGRAM .....	1
002	GZ2500	BRADLEY TRAINING DEVICES (MOD) .....	11
003	GB1300	ABRAMS TANK TRAINING DEVICES .....	13
004	G85100	STRYKER VEHICLE .....	14
005	G86100	Future Combat Systems: (FCS) .....	25
006	G86100	Future Combat Systems: (FCS) (Adv. Proc.) .....	31
007	G86200	FCS SPIN OUTS .....	36
008	G86200	FCS SPIN OUTS (Adv. Proc.) .....	42
009	GZ2300	FIST VEHICLE (MOD) .....	47
010	GZ2400	BRADLEY PROGRAM (MOD) .....	51
011	GA0400	HOWITZER, MED SP FT 155MM M109A6 (MOD) .....	61
012	GA0570	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) .....	65
013	G82925	ARMORED BREACHER VEHICLE .....	72
014	GZ3001	JOINT ASSAULT BRIDGE .....	77
015	GA0700	M1 ABRAMS TANK (MOD) .....	82
016	GA0750	ABRAMS UPGRADE PROGRAM .....	96
017	GL3100	ITEMS LESS THAN \$5.0M (TCV-WTCV) .....	102
018	GA0050	PRODUCTION BASE SUPPORT (TCV-WTCV) .....	103

## Table of Contents - Procurement of W&TCV, Army

BLIN	SSN	Nomenclature	Page
019	G01300	HOWITZER, LIGHT, TOWED, 105MM, M119 .....	113
020	G13000	M240 Medium Machine Gun (7.62mm) .....	118
021	GB2000	MACHINE GUN, CAL .50 M2 ROLL .....	127
022	G12800	LIGHTWEIGHT .50 CALIBER MACHINE GUN .....	140
023	G12900	M249 SAW Machine Gun (5.56mm) .....	143
024	G13400	MK-19 Grenade Machine Gun (40mm) .....	148
025	G02200	Mortar Systems .....	154
026	G01500	M107, CAL. 50, SNIPER RIFLE .....	162
027	G01501	XM320 GRENADE LAUNCHER MODULE (GLM) .....	163
028	G01505	M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) .....	168
029	G14904	M4 Carbine .....	174
030	G18300	SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) .....	181
031	G04700	Common Remotely Operated Weapons Station (CROWS) .....	187
032	G15325	HANDGUN .....	192
033	G01700	HOWITZER LT WT 155MM (T) .....	193
034	GB3000	MK-19 Grenade Machine Gun MODS .....	199
035	GB3007	M4 CARBINE MODS .....	205
036	GB4000	M2 50 Cal Machine Gun MODS .....	211

## Table of Contents - Procurement of W&TCV, Army

BLIN	SSN	Nomenclature	Page
037	GZ1290	M249 SAW Machine Gun MODS .....	217
038	GZ1300	M240 Medium Machine Gun MODS .....	227
039	GL1000	PHALANX MODS .....	233
040	GC0401	M119 MODIFICATIONS .....	238
041	GZ2800	M16 RIFLE MODS .....	244
042	GC0925	MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) .....	250
043	GL3200	ITEMS LESS THAN \$5.0M (WOCV-WTCV) .....	256
044	GC0050	PRODUCTION BASE SUPPORT (WOCV-WTCV) .....	261
045	GC0075	INDUSTRIAL PREPAREDNESS .....	272
046	GC0076	SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) .....	276
047	GZ2801	M14 7.62 RIFLE MODS .....	281

# Exhibit P-40, Budget Item Justification Sheet

Date: May 2009

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

P-1 Item Nomenclature  
BRADLEY PROGRAM (G80718)

Program Elements for Code B Items:		Code: A	Other Related Program Elements: 0203735.371			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	2706	524	94			3324
Gross Cost	7279.7	1677.9	394.8			9352.4
Less PY Adv Proc	22.5					22.5
Plus CY Adv Proc	22.5					22.5
Net Proc P1	7279.7	1677.9	394.8			9352.4
Initial Spares						
Total Proc Cost	7279.7	1677.9	394.8			9352.4
Flyaway U/C						
Weapon System Proc U/C	2.7	3.2	4.2			10.1

**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:**  
FY10 has no funding.

		FY2008	FY2009
Active	QTY	524	94
	Gross Cost	\$1,584.961	\$394.800
National Guard	QTY		
	Gross Cost	\$ 92.924	

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: BRADLEY PROGRAM (G80718)	Weapon System Type:	Date: May 2009
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WTCV Cost Elements	ID	FY 08			FY 09			FY 10		
	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)		1584961	524	3025	394800	94	4200			
<b>Total:</b>		<b>1677885</b>			<b>394800</b>					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature BRADLEY PROGRAM (M2A2/) (G80716)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	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:**  
FY10 has no funding.  
  
FY08 funding supports the National Guard.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: BRADLEY PROGRAM (M2A2/) (G80716)			Weapon System Type:	Date: May 2009				
<b>WTCV Cost Elements</b>	ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
	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
<b>ODS Program</b> ODS Vehicles Other GFE (New) Other GFE (Reman) ODS Situational Awareness Contractor Engineering Government Engineering Project Management Administration Reimbursable Matrix Support System Test and Evaluation Peculiar Support Equipment Fielding  <b>Total:</b>		<b>92924</b>								



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles				P-1 Item Nomenclature BRADLEY PROGRAM (M2A3) (G80717)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements: 0203735.371			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	1719	524	94			2337
Gross Cost	4506.8	1585.0	394.8			6486.6
Less PY Adv Proc	22.5					22.5
Plus CY Adv Proc	22.5					22.5
Net Proc P1	4506.8	1585.0	394.8			6486.6
Initial Spares						
Total Proc Cost	4506.8	1585.0	394.8			6486.6
Flyaway U/C						
Weapon System Proc U/C	2.6	3.0	4.2			9.8
<b>Description:</b> 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.						
<b>Justification:</b> FY10 has no funding.  FY08/FY09 funding supports the Active.						

WTCV Cost Elements		ID	FY 08			FY 09			FY 10		
		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
<b>HARDWARE</b>											
Vehicle		A	1175148	524	2243	253800	94	2700			
Forward Looking Infrared (FLIR)			106252			19159					
Other GFE New			122772			22024					
Other GFE Reman			9729			1887					
<b>Sub total</b>			<b>1413901</b>			<b>296870</b>					
<b>Other Production Cost</b>											
Engineering - Government			12411			10000					
Engineering - Contractor			60513			44930					
Project Management Administration			7418			7500					
Reimbursable Matrix Support			7295			7500					
Test			7000			5000					
<b>Sub total</b>			<b>94637</b>			<b>74930</b>					
Peculiar Support Equipment			25723								
Fielding			28000			8500					
A3 Diagnostics											
Training Devices			22700			14500					
<b>Sub Total</b>			<b>76423</b>			<b>23000</b>					
<b>GROSS P-1 END COST</b>			<b>1584961</b>			<b>394800</b>					
LESS: PRIOR YEAR ADV PROC											
<b>NET P-1 FULL FUNDING COST</b>											
PLUS: P-1 CY ADV PROC											
OTHER NON P-1 COSTS											
INITIAL SPARES											
MODS											
<b>TOTAL</b>											
<b>Total:</b>			<b>1584961</b>			<b>394800</b>					

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: BRADLEY PROGRAM (M2A3) (G80717)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Vehicle</b>										
FY 2008	BAE YORK PA	SS/FFP	TACOM	Mar 08	Nov 09	524	2243	YES		
FY 2009	BAE YORK PA	SS/FFP	TACOM	Jun 09	Feb 11	94	2700	YES		

REMARKS:

<b>FY 07 / 08 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE BRADLEY PROGRAM (M2A3) (G80717)	Date: May 2009
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COST ELEMENTS						Fiscal Year 07												Fiscal Year 08												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 07												Calendar Year 08												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Vehicle																																	
1	FY 06	A	57	0	57																								0				
1	FY 07	A	502	0	502		A																										
1	FY 07	A	168	0	168							A																					
1	FY 08	A	524	0	524																		A										
1	FY 09	A	94	0	94																												

Vehicle																																			
Total					1345																														1042
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	Prior 1 Oct				After 1 Oct
								Initial				Reorder
1	BAE, YORK PA	144	300	984		1	0	6	15	21		
							0	9	20	29		
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

COST ELEMENTS					Fiscal Year 09															Fiscal Year 10												Later	
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09															Calendar Year 10												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

Vehicle																																	
1	FY 06	A	57	57																													0
1	FY 07	A	502	246	256	37	10	2	56	43	56	29	23																				0
1	FY 07	A	168	0	168								14	44	22	28	38	22															0
1	FY 08	A	524	0	524															45	33	30	28	50	18	40	48	22	40	36		134	
1	FY 09	A	94	0	94								A																				94

Vehicle																																			
Total					1042	37	10	2	56	43	56	29	37	44	22	28	38	22	45	33	30	28	50	18	40	48	22	40	36		228				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	BAE, YORK PA	144	300	984		1	Initial	0	6	15	21	
							Reorder	0	9	20	29	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 11 / 12 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
BRADLEY PROGRAM (M2A3) (G80717)

Date: May 2009

COST ELEMENTS					Fiscal Year 11											Fiscal Year 12									Later	
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11											Calendar Year 12									
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R		M A Y

Vehicle																													
1	FY 06	A	57	57																									0
1	FY 07	A	502	502																									0
1	FY 07	A	168	168																									0
1	FY 08	A	524	390	134	40	40	20	34																				0
1	FY 09	A	94	0	94					31	31	32																	0

Vehicle																													
Total					228	40	40	20	34	31	31	32																	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR 1	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	BAE, YORK PA	144	300	984		Initial	0	6	15	21	
						Reorder	0	9	20	29	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles				P-1 Item Nomenclature BRADLEY TRAINING DEVICES (MOD) (GZ2500)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements: 0203735.371			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	111.7	4.7	11.0			127.3
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	111.7	4.7	11.0			127.3
Initial Spares						
Total Proc Cost	111.7	4.7	11.0			127.3
Flyaway U/C						
Weapon System Proc U/C						
<p><b>Description:</b> This program procures upgrade kits for Bradley Fighting Vehicle Systems (BFVS) appended training devices to support Army Modularization. A degradation of training will take place if these kits are delayed or cancelled. Without sufficient training devices, additional vehicles and/or increased Operational Tempo (OPTEMPO) funding will be required.</p> <p><b>Justification:</b> FY10 has no funding.</p>						

<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Item Nomenclature BRADLEY TRAINING DEVICES (MOD) (GZ2500)			
Program Elements for Code B Items:				Code: A	Other Related Program Elements: 0203735.371	
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
Close Combat Tactical Trainer						
1-01-05-0010	Operational	21.0	0.0	0.0	0.0	21.0
Appended Devices						
1-99-05-4567	Operational	4.3	1.4	0.0	0.0	5.7
Bradley Advanced Training Systems						
2-02-05-0010	Operational	19.9	0.0	0.0	0.0	19.9
Software Upgrades						
1-96-05-4513	Operational	23.3	3.0	0.0	0.0	26.3
Maintenance Trainer Mods						
1-99-05-4568	Operational	10.2	0.0	0.0	0.0	10.2
Prior Year Closed Modifications						
0-00-00-0000		13.6	0.0	0.0	0.0	13.6
Conduct of Fire Trainer Recap Program						
0-00-00-0000	Operational	24.1	0.0	0.0	0.0	24.1
Gunnery Trainers ARNG						
0-00-00-0000		0.0	6.6	0.0	0.0	6.6
Totals		116.4	11.0	0.0	0.0	127.4



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles				P-1 Item Nomenclature ABRAMS TANK TRAINING DEVICES (GB1300)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	494.9		3.0			497.9
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	494.9		3.0			497.9
Initial Spares						
Total Proc Cost	494.9		3.0			497.9
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The family of Abrams Training Aids, Devices, Simulators and Simulations (TADSS) will replicate actual tank performance without incurring the much higher costs of operating the tank itself. Updates/modifications due to vehicle software changes and lessons learned affect Advance Gunnery Training System (AGTS), Maintenance Trainers, Non-System Integration Kits as well as System Enhancement Program (SEP) and Abrams Integrated Management (AIM) integration, Common Driver's Trainer and Common Gunnery Architecture.						
<b>Justification:</b> FY10 has no funding.						

Exhibit P-40, Budget Item Justification Sheet						Date:
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles				P-1 Item Nomenclature STRYKER VEHICLE (G85100)		
Program Elements for Code B Items: 0603653A/C03		Code: B	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	2756	677	88			3521
Gross Cost	7462.2	2792.1	1309.0	388.6		11951.9
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	7462.2	2792.1	1309.0	388.6		11951.9
Initial Spares						
Total Proc Cost	7462.2	2792.1	1309.0	388.6		11951.9
Flyaway U/C						
Weapon System Proc U/C	2.7	4.1	14.9			21.7
<b>Description:</b>						
<p>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.</p> <p>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:</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>						

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature STRYKER VEHICLE (G85100)
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Program Elements for Code B Items: 0603653A/C03	Code: B	Other Related Program Elements:
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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.

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 Operation Enduring Freedom (OEF) missions.

FY08 Initial Spares/Authorized Stockage List (ASL) funding shown on the Exhibit P-5 Includes \$37.028 million that supports the FY08 Vehicle re-structuring/Operation Enduring Freedom (OEF)/Theatre Provided Equipment (TPE) fleet requirement briefed to OSD and Congress (Professional Staff Members).

NBC Reconnaissance Vehicle:  
 Live Fire Test & Evaluation, 1: Complete  
 Live Fire Test & Evaluation, 2: 4QFY09 - 1QFY10  
 Production Verification Test: Complete  
 Reliability Growth Test: 2QFY09 - 4QFY10  
 Initial Operational Test & Evaluation, Phase II: 4QFY10

**Justification:**

FY10 Base Funding in the amount of \$388.596 million procures safety and survivability fixes in anticipation of Stryker Brigade Combat Teams entering a new theater of operation. PM assessed what could be accomplished within the funded amount in FY2010 under the assumption that, first, all requirements not directly related to vehicle procurement would be maintained/sustained, then any remaining funding would be applied to a vehicle buy. Under this assumption, the funding available for a vehicle buy resulted in the purchase of a minimal number of vehicles with a prohibitive unit cost which lead to a decision to defer purchase of vehicles until such time that the Army could afford a more cost effective approach. Therefore, the FY2010 quantity is zero. In lieu of purchasing vehicles in FY2010, the funding over and above that required to maintain/sustain the program is being slated against safety and survivability fixes in anticipation of Stryker Brigade Combat Teams entering a new theater of operations.

		FY2008	FY2009	FY2010
Active	QTY	663	76	0
	Gross Cost	\$2,649.940	\$932.774	\$130.256
National Guard	QTY	14	12	0
	Gross Cost	\$142.130	\$245.620	\$179.789
Reserve	QTY			
	Gross Cost		\$130.590	\$78.551

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature: STRYKER VEHICLE (G85100)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Stryker Vehicles											
-Infantry Carrier Vehicle (ICV)		A	386271	247	1564						
-ICV Block Improvements											
-Reconnaissance Vehicle (RV)		A	128587	88	1461						
-RV Block Improvements											
-Anti-Tank Guided Missile Vehicle (ATGM)		A									
-ATGM Block Improvements											
-Mortar Carrier (MC)		A	99966	62	1612						
-MC Block Improvements											
-Fire Support Vehicle (FSV)		A	30348	20	1517						
-FSV Block Improvements											
-Engineer Squad Vehicle (ESV)		A	41815	21	1991						
-ESV Block Improvements											
-Commander's Vehicle (CV)		A	62352	41	1521						
-CV Block Improvements											
-Medical Evacuation Vehicle (MEV)		A	113311	81	1399						
-MEV Block Improvements											
-NBC Reconnaissance Vehicle (NBCRV)		A	122082	55	2220	129907	40	3248			
-NBC RV Block Improvements											
-Mobile Gun System (MGS)		A	266668	62	4301	291011	48	6063			
-MGS Block Improvements											
Surv Enhancement (SRAT/DEK/SLAT/CBS/HPK)			587322			395901			63951		
GFE (ASIOE/COEI/AAL)			226895			68583					
Engineering Change Orders (ECO)			1575			6400					
Basic Issue Items (BII)			11204			855					
Government Test			13174			21654			20661		
Contractor Support to Test			15885			16085			17123		
Comparison Evaluation											
Refurbishment of Test Vehicles			4101								
Program Management Support (Govt)			64907			49281			50267		
Program Management Support (Contractor)			9192			20273			44879		

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: STRYKER VEHICLE (G85100)	Weapon System Type:	Date: May 2009
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WTCV Cost Elements	ID	FY 08			FY 09			FY 10		
	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)		18223			15467			26188		
System Fielding Support		63398			56156			3346		
Vehicle Retrofit/OIF Fixes		243578			90412			6199		
Post Production Mods (unscheduled mods)		80431			36535			37781		
Initial Spares/Authorized Stock List ASL		85084			23677					
Support Equipment (STTE)		44272			7007					
Training Devices		26969			15043			33186		
System Technical Support (STS)		43219			56189			75315		
Software Support		1241			8548			9700		
Integrated Data Environment										
Product Improvement Program										
Facilitization										
Mounted Mortar										
Digital Wiring Schematics										
<b>Total:</b>		<b>2792070</b>			<b>1308984</b>			<b>388596</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles										
Weapon System Type: P-1 Line Item Nomenclature: STRYKER VEHICLE (G85100)										
<b>Stryker Vehicles</b>										
FY 2008	GM GDLS Defense Group L.L.C. Shelby Township, MI	SS/FFP/1-5	TACOM	Jul 08	May 09	25	2220	NA	NA	
FY 2008	GM GDLS Defense Group L.L.C. Shelby Township, MI	SS/FFP/1-5	TACOM	Jul 08	May 10	30	2220	NA	NA	
FY 2008	GM GDLS Defense Group L.L.C. Shelby Township, MI	SS/FFP/1-5	TACOM	Aug 08	Feb 10	62	4301	NA	NA	
FY 2008	GM GDLS Defense Group L.L.C. Shelby Township, MI	SS/FFP/1-5	TACOM	Jul 08	May 09	369	1523	NA	NA	
FY 2008	GM GDLS Defense Group L.L.C. Shelby Township, MI	SS/FFP/1-5	TACOM	Jul 08	Aug 09	191	1574	NA	NA	
FY 2009	GM GDLS Defense Group L.L.C. Shelby Township, MI	SS/FFP/2-5	TACOM	Jul 09	May 11	40	3248	NA	NA	
FY 2009	GM GDLS Defense Group L.L.C. Shelby Township, MI	SS/FFP/2-5	TACOM	Jul 09	Apr 11	48	6063	NA	NA	

REMARKS: Stryker vehicle contract has range pricing that is predicated on the total buy quantity as well as by specific variant. Since we are procuring less than 100 total vehicles in FY2009 and less than 50 MGS vehicles within that buy the unit costs for the vehicles purchased in FY2009 exceeds the unit cost for vehicles purchased in FY2008.

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE STRYKER VEHICLE (G85100)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08												Calendar Year 09												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Stryker Vehicles																																					
1	FY 05	A	675	671	4	2	2																												0		
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	188	118	33	31	26	10	10	8																								0		
1	FY 06	A	100	11	89	8	9	3	16	13	6		1	6	9	7	4	7																	0		
1	FY 06	A	36	0	36						4	19	13																						0		
1	FY 06	A	13	0	13									7	4	2																			0		
1	FY 06	A	39	0	39									7	16	6	6	1	3																0		
1	FY 07	A	22	0	22											3	1	7	4	7															0		
1	FY 07	A	165	0	165								4	5	9	12	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 08	A	25	0	25									A																	1	2	2	2	2	16	
1	FY 08	A	30	0	30									A																					30		
1	FY 08	A	62	0	62										A																				62		
1	FY 08	A	369	0	369										A																	43	43	39	32	22	190
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	GM GDLS Defense Group L.L.C., Shelby Township, MI	240	480	720		1	Initial	8	10	10	20	Admin Leadtime (LT)/Manufacture Leadtimes for the Stryker Production 8 variants are 11-13 Months. Funding for Long-lead Material (LLM) for 86 ICVs resulted in a reduced LT in FY08 in order to avoid a break in production in May/June 09. LT for the NBCRV is 15 months driven by the availability of the NBCRV Sensor Suite. Funding for LLM/Sensors issued prior to vehicle contract award resulted in a reduced LT for the purchase of NBCRVs in FY08. Normal LT for the MGS is 21 months driven by the purchase of titanium. Received authority to purchase LLM requirements for 62 MGS vehicles, resulting in a shortened LT for the FY08 MGS Vehicles.
							Reorder	0	10	10	20	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
STRYKER VEHICLE (G85100)

Date: May 2009

COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												Later									
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08												Calendar Year 09																					
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										
1	FY 08	A	191	0	191													A																	7	19	165		
1	FY 09	A	40	0	40																																A		40
1	FY 09	A	48	0	48																																A		48
Total						1305	43	42	29	26	28	24	22	18	17	28	34	25	31	31	29	25	29	30	29	44	45	41	41	43						551			
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	GM GDLS Defense Group L.L.C., Shelby Township, MI	240	480	720		1	Initial	8	10	10	20	Admin Leadtime (LT)/Manufacture Leadtimes for the Stryker Production 8 variants are 11-13 Months. Funding for Long-lead Material (LLM) for 86 ICVs resulted in a reduced LT in FY08 in order to avoid a break in production in May/June 09. LT for the NBCRV is 15 months driven by the availability of the NBCRV Sensor Suite. Funding for LLM/Sensors issued prior to vehicle contract award resulted in a reduced LT for the purchase of NBCRVs in FY08. Normal LT for the MGS is 21 months driven by the purchase of titanium. Received authority to purchase LLM requirements for 62 MGS vehicles, resulting in a shortened LT for the FY08 MGS Vehicles.
							Reorder	0	10	10	20	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE STRYKER VEHICLE (G85100)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Stryker Vehicles																																				
1	FY 05	A	675	675																																0
1	FY 05	A	11	11																																0
1	FY 05	A	10	10																																0
1	FY 06	A	306	306																																0
1	FY 06	A	100	100																																0
1	FY 06	A	36	36																																0
1	FY 06	A	13	13																																0
1	FY 06	A	39	39																																0
1	FY 07	A	22	22																																0
1	FY 07	A	165	165																																0
1	FY 07	A	33	33																																0
1	FY 08	A	25	9	16	2	2	2	2	2	3	3																								0
1	FY 08	A	30	0	30								2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	
1	FY 08	A	62	0	62					1	2	4	6	6	6	6	6	6	7	5	7														0	
1	FY 08	A	369	179	190	22	31	27	26	29	30	25																							0	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	GM GDLS Defense Group L.L.C., Shelby Township, MI	240	480	720		1	Initial	8	10	10	20	Admin Leadtime (LT)/Manufacture Leadtimes for the Stryker Production 8 variants are 11-13 Months. Funding for Long-lead Material (LLM) for 86 ICVs resulted in a reduced LT in FY08 in order to avoid a break in production in May/June 09. LT for the NBCRV is 15 months driven by the availability of the NBCRV Sensor Suite. Funding for LLM/Sensors issued prior to vehicle contract award resulted in a reduced LT for the purchase of NBCRVs in FY08. Normal LT for the MGS is 21 months driven by the purchase of titanium. Received authority to purchase LLM requirements for 62 MGS vehicles, resulting in a shortened LT for the FY08 MGS Vehicles.
							Reorder	0	10	10	20	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 10 / 11 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE  
STRYKER VEHICLE (G85100)

Date:  
May 2009

COST ELEMENTS

Fiscal Year 10

Fiscal Year 11

M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10														Calendar Year 11							Later							
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J		J	A	S				
						C	O	E	A	E	A	A	A	A	U	U	U	E	C	O	E	A	E	A	A	A		A	U	U	U	E		
1	FY 08	A	191	26	165	20	10	11	10	12	18	21	25	29	9																0			
1	FY 09	A	40	0	40																							3	3	3	3	3	25	
1	FY 09	A	48	0	48																			4	4	4	4	4	4	4	24			
Total						551	44	43	40	38	44	53	53	33	37	17	8	8	8	10	8	10	3	3	7	7	7	7	7	7	49			
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S					
						C	O	E	A	E	A	A	A	U	U	U	E	C	O	E	A	E	A	A	A	A	A	U	U	U	E			
						T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P					

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	GM GDLS Defense Group L.L.C., Shelby Township, MI	240	480	720	1	Initial	8	10	10	20	Admin Leadtime (LT)/Manufacture Leadtimes for the Stryker Production 8 variants are 11-13 Months. Funding for Long-lead Material (LLM) for 86 ICVs resulted in a reduced LT in FY08 in order to avoid a break in production in May/June 09. LT for the NBCRV is 15 months driven by the availability of the NBCRV Sensor Suite. Funding for LLM/Sensors issued prior to vehicle contract award resulted in a reduced LT for the purchase of NBCRVs in FY08. Normal LT for the MGS is 21 months driven by the purchase of titanium. Received authority to purchase LLM requirements for 62 MGS vehicles, resulting in a shortened LT for the FY08 MGS Vehicles.
					1	Reorder	0	10	10	20	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

**FY 12 / 13 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
STRYKER VEHICLE (G85100)

Date: May 2009

COST ELEMENTS						Fiscal Year 12													Fiscal Year 13													Later				
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12													Calendar Year 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							
Stryker Vehicles																																				
1	FY 05	A	675	675																																0
1	FY 05	A	11	11																																0
1	FY 05	A	10	10																																0
1	FY 06	A	306	306																																0
1	FY 06	A	100	100																																0
1	FY 06	A	36	36																																0
1	FY 06	A	13	13																																0
1	FY 06	A	39	39																																0
1	FY 07	A	22	22																																0
1	FY 07	A	165	165																																0
1	FY 07	A	33	33																																0
1	FY 08	A	25	25																																0
1	FY 08	A	30	30																																0
1	FY 08	A	62	62																																0
1	FY 08	A	369	369																																0

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	GM GDLS Defense Group L.L.C., Shelby Township, MI	240	480	720		1	8	10	10	20	Admin Leadtime (LT)/Manufacture Leadtimes for the Stryker Production 8 variants are 11-13 Months. Funding for Long-lead material (LLM) for 86 ICVs resulted in a reduced LT in FY08 in order to avoid a break in production in May/June 09. LT for the NBCRV is 15 months driven by the availability of the NBCRV Sensor Suite. Funding for LLM/Sensors issued prior to vehicle contract award resulted in a reduced LT for the purchase of NBCRV in FY08. Normal LT for the MGS is 21 months driven by the purchase of titanium. Received authority to purchase LLM requirements for 62 MGS vehicles, resulted in a shortened LT for the FY08 MGS Vehicles.

<b>FY 12 / 13 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE STRYKER VEHICLE (G85100)	Date: May 2009
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COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later	
MFR	FY	SE RV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	FY 08	A	191	191																											0
1	FY 09	A	40	15	25	3	3	3	4	4	4	4																		0	
1	FY 09	A	48	24	24	4	4	4	4	4	4																			0	
Total					49	7	7	7	8	8	8	4																			
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	GM GDLS Defense Group L.L.C., Shelby Township, MI	240	480	720		1	Initial	8	10	10	Admin Leadtime (LT)/Manufacture Leadtimes for the Stryker Production 8 variants are 11-13 Months. Funding for Long-lead material (LLM) for 86 ICVs resulted in a reduced LT in FY08 in order to avoid a break in production in May/June 09. LT for the NBCRV is 15 months driven by the availability of the NBCRV Sensor Suite. Funding for LLM/Sensors issued prior to vehicle contract award resulted in a reduced LT for the purchase of NBCRV in FY08. Normal LT for the MGS is 21 months driven by the purchase of titanium. Received authority to purchase LLM requirements for 62 MGS vehicles, resulted in a shortened LT for the FY08 MGS Vehicles.
						Reorder	0	10	10	20	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature Future Combat Systems: (FCS) (G86100)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost		50.8	156.1			207.0
Less PY Adv Proc			28.1			28.1
Plus CY Adv Proc		28.1	26.1			54.2
Net Proc P1		78.9	154.1			233.1
Initial Spares						
Total Proc Cost		78.9	154.1			233.1
Flyaway U/C						
Weapon System Proc U/C						

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

Per new direction, MGCV portion (including NLOS-C) of FCS program is restructured, thus NLOS-C SPI Procurement is terminated and will not be awarded in FY09 and FY10. Therefore, funding has been deleted.

<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>Non Recurring Production (NLOS-C)</b>											
Facilitization and Tooling			50832								
<b>Recurring Production MGV (NLOS-C)</b>											
Lethality/Mission Equipment						49936	5	9987			
Structure/Survivability						8904	5	1781			
Mobility						41906	5	8381			
Vetronics						29269	5	5854			
Other (C4ISR/ECS)						5994	5	1199			
<b>Recurring Production Spt Cost (NLOS-C)</b>											
Production Support (NLOS-C)						13477					
Fielding Support (NLOS-C)						6654					
Less: PY Advanced Procurement (NLOS-C)						-28100					
Plus: CY Advanced Procurement (NLOS-C)			28100			26087					
<b>Total:</b>			<b>78932</b>			<b>154127</b>					

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles										
Weapon System Type: P-1 Line Item Nomenclature: Future Combat Systems: (FCS) (G86100)										
<b>Lethality/Mission Equipment</b> FY 2009		SS/FP	TACOM-Warren	Sep 09	May 10	5	9989			
<b>Structure/Survivability</b> FY 2009		SS/FP	TACOM-Warren			5	1781			
<b>Mobility</b> FY 2009		SS/FP	TACOM-Warren			5	8381			
<b>Vetronics</b> FY 2009		SS/FP	TACOM-Warren			5	5854			
<b>Other (C4ISR/ECS)</b> FY 2009		SS/FP	TACOM-Warren			5	1199			

REMARKS: Tier 1 SUBCONTRACTORS:  
 General Dynamics Land Systems - Lima, Ohio  
 SAIC  
 BAE - both Armament Systems (Minneapolis, MN) and Ground Systems divisions (York,PA and Santa Clara, CA)  
 GDRS - provides the ANS  
 GDAIS - provides the ICS

FY09 reflects anticipated quantities and estimates prior to recommended termination of the program.

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>															P-1 ITEM NOMENCLATURE Future Combat Systems: (FCS) (G86100)										Date: May 2009	
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COST ELEMENTS						Fiscal Year 08														Fiscal Year 09														Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08														Calendar Year 09														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

MGV (NLOS-C)																																								
	FY 09	A		5	0	5																															A	5		
Total						5																																		5
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Boeing, St Louis, MO		1	2		1	Initial	0	12	8	20	Production Rates are representative of single FCS MGVS NLOS-C Chassis, not the full FCC (BCT)  This schedule is not applicable due to new direction.  Per new direction, MGVS portion (including NLOS-C) of FCS program is being recommended for termination, thus NLOS-C SPI Procurement will not be awarded in FY09 and FY10 funding has been deleted.
							Reorder	0	0	0	0	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
Future Combat Systems: (FCS) (G86100)

Date: May 2009

**COST ELEMENTS**

Fiscal Year 10

Fiscal Year 11

MFR	FY	SE	PROC QTY	ACCEP PRIOR	BAL DUE	Calendar Year 10														Calendar Year 11										Later
						TO 1 OCT	AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	

MGV (NLOS-C)

	FY 09	A		5	0	5											1	1													0				
Total						5											1	1																	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	Boeing, St Louis, MO				1	2			
						Reorder	0	0	0	0	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

**FY 12 / 13 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
 Future Combat Systems: (FCS) (G86100)

Date: May 2009

COST ELEMENTS						Fiscal Year 12													Fiscal Year 13													Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12													Calendar Year 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			

MGV (NLOS-C)

	FY 09	A	5	5																																		0	

Total						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
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M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Boeing, St Louis, MO		1	2		1	Initial	0	12	8	20	Per new direction, MGV portion (including NLOS-C) of FCS program is being recommended for termination, thus NLOS-C SPI Procurement will not be awarded in FY09 and FY10 funding has been deleted.
						1	Reorder	0	0	0	0	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles				P-1 Item Nomenclature Future Combat Systems: (FCS) (G86100) (Adv. Proc.)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost					Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc		28.1	26.1			54.2
Net Proc P1		28.1	26.1			54.2
Initial Spares						
Total Proc Cost		28.1	26.1			54.2
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
<p>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.</p> <p>Per new direction, MGV portion (including NLOS-C) of FCS program is restructuring; thus NLOS-C SPI Procurement will not be awarded in FY09 and FY10 funding has been deleted.</p>						

<b>Advance Procurement Requirements Analysis-Funding (P-10A)</b>	First System Award Date: 2 Qtr FY09	First System Completion Date: 3rd Qtr FY10	Date: May 2009
	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) (Adv. Proc)

(\$ in Millions)

	PLT (mos)	When Rqd (mos)	Pr Yrs	FY 08	FY 09	FY 10	To Comp	Total
End Item Quantity								
NLOS-C Special Interest	0	0		28.1	26.1			54.2
<b>Total Advance Procurement</b>			<b>0.0</b>	<b>28.1</b>	<b>26.1</b>	<b>0.0</b>	<b>0.0</b>	<b>54.2</b>

Notes:  
 NLOS-C Special Interest  
 Advanced procurement estimate includes Structure - 2195 and 5059 Aluminum Plate, Cannon Tube Forgings, Suspension - HSU (rod arms) and track, Propulsion - Engines, generators and Traction Drive System, Breech Ring and Block Forgings, Turret Structure - structure materials for Cannon Mission Modules, Traverse Bearing Assembly, Titanium Hatch Forging, Traction Drive, LRM Processors - network processors, Integrated Computer System, Radios and Antennas, EOIR Sensors, and Autonomous Navigation System.

<b>Advance Procurement Requirements Analysis-Funding (P-10B)</b>		Date: May 2009
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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) (Adv. Proc)
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	(\$ in Millions)					
	PLT (mos)	Quantity Per Assembly	Unit Cost	2010		
				Qty	Contract Forecast Date	Total Cost Request
<b>Total Advance Procurement</b>						

<b>Advance Procurement Requirements Analysis-Funding (P-10C)</b>	Date: May 2009
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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) (Adv. Proc)
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(\$ in Millions)						
	Pr Yrs	FY 08	FY 09	FY 10	To Comp	Total
<b>Proposal w/o AP</b>						
Then Year Cost			136			136
Constant Year Cost			116			116
Present Value			114			114
<b>AP Proposal</b>						
Then Year Cost		28	134			162
Constant Year Cost		24	114			138
Present Value		24	112			136
<b>AP Savings (Difference)</b>						
Then Year Cost		28	-2			26
Constant Year Cost		24	-2			22
Present Value		24	-2			22

<b>Advance Procurement Requirements Analysis-Execution (P-10D)</b>	Date: May 2009
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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) (Adv. Proc)
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		(\$ in Millions)											
		2008					2009					2010	
	PLT (mos)	Qty	Contract Forecast Date	Actual Contract Date	Total Cost Request	Actual Contract Cost	Qty	Contract Forecast Date	Actual Contract Date	Total Cost Request	Actual Contract Cost	Qty	Contract Forecast Date
End Item Quantity							6						
NLOS-C Special Interest				21 Mar 08	28.1	28.1		Sep 09		26.1			
<b>Total Advance Procurement</b>					<b>28.1</b>	<b>28.1</b>				<b>26.1</b>			

Per new direction, MGV portion (including NLOS-C) of FCS program is being recommended for termination. Thus NLOS-C SPI Procurement will not be awarded in FY09 and FY10; funding has been deleted.

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles				P-1 Item Nomenclature FCS SPIN OUTS (G86200)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty				1	31	32
Gross Cost		1.4	25.5	329.0	Continuing	Continuing
Less PY Adv Proc			1.4	43.1	Continuing	Continuing
Plus CY Adv Proc			43.1	42.0	Continuing	Continuing
Net Proc P1		1.4	67.3	327.9	Continuing	Continuing
Initial Spares					Continuing	Continuing
Total Proc Cost		1.4	67.3	327.9	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C				327.9	Continuing	Continuing
<b>Description:</b> The FCS Spin Out program is the Army's plan to accelerate the delivery of mature FCS technologies and capabilities to the current force. By accelerating these FCS capabilities; it will improve capability to the current force.  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. Modernizing the Army is the Army's number one priority. The FCS BCT components are being designed with the warfighter, and with the insertion of selected FCS BCT capabilities into the current force (IBCT), will insure a more complete joint fighting force.						
<b>Justification:</b> FY10 procures the Future Combat System equipment to effectively equip the first IBCT to be fielded in FY11. It consists of "A and B Kits" and their associated support equipment for both HMMWVs and the NLOS-LS Systems, along with the brigade's complete compliment of Non-Line of Site-Launch Systems, Urban and Tactical Unattended Ground Sensors, Unmanned Air Vehicle systems, and the Small Unmanned Ground Vehicles. It also provides for the training and support personnel, facilities and equipment to complete the New Equipment Training (NET) and fielding.  Per new direction, MGV portion of FCS program is restructured and the refocusing of the FCS program to spin out FCS technologies faster to the IBCT.						



<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature: FCS SPIN OUTS (G86200)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Spin Out Program</b>											
Non recurring Production					20425			7477			
<b>Recurring Production Costs</b>											
ICS-B kits								30832	85	363	
Antenna- B-Kits								35514	85	418	
SUGV (Block 1) Accel Prgm - B -Kits								6762	49	138	
U-UGS-B-Kits								1803	40	45	
T-UGS - B-kits								10099	23	439	
UAV Class I (Block 0) Acc. Prgm- B-kits								14068	33	426	
Additional Hardware-B Kits								3003			
NLOS-LS- B-Kits					250			85746	12	7146	
HMMWV- A-kits								2886	89	32	
<b>Recurring Production Support Costs</b>											
Production Support						4824		80481			
Fielding Support								50388			
Less PY Adv Proc - Reqmnt						-1370		-43139			
Plus CY Adv Proc - Reqmnt			1370			43139		42001			
<b>Total:</b>			<b>1370</b>			<b>67268</b>		<b>327921</b>			

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: FCS SPIN OUTS (G86200)								
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
<b>ICS-B kits</b>										
FY 2009		SSFP	TACOM, Warren, MI	Jun 09	Apr 10			N		Oct-08
FY 2010		SSFP	TACOM, Warren, MI	Jan 10	Mar 11	85	363	N		Mar-09
<b>Antenna- B-Kits</b>										
FY 2009		SSFP	TACOM, Warren, MI	Jun 09	Apr 10			N		Oct-08
FY 2010		SSFP	TACOM, Warren, MI	Jan 10	Mar 11	85	418	N		Mar-09
<b>SUGV (Block 1) Accel Prgm - B -Kits</b>										
FY 2009		SSFP	TACOM, Warren, MI	Jun 09	Apr 10			N		Oct-08
FY 2010		SSFP	TACOM, Warren, MI	Jan 10	Mar 11	49	138	N		Mar-09
<b>U-UGS-B-Kits</b>										
FY 2009		SSFP	TACOM, Warren, MI	Jun 09	Apr 10			N		Oct-08
FY 2010		SSFP	TACOM, Warren, MI	Jan 10	Mar 11	40	45	N		Mar-09
<b>T-UGS - B-kits</b>										
FY 2009		SSFP	TACOM, Warren, MI	Jun 09	Apr 10			N		Oct-08
FY 2010		SSFP	TACOM, Warren, MI	Jan 10	Mar 11	23	439	N		Mar-09
<b>UAV Class I (Block 0) Acc. Prgrm- B-kits</b>										
FY 2009		SSFP	TACOM, Warren, MI	Jun 09	Apr 10			N		Oct-08
FY 2010		SSFP	TACOM, Warren, MI	Jan 10	Mar 11	33	426	N		Mar-09
<b>NLOS-LS- B-Kits</b>										
FY 2009		SSFP	TACOM, Warren, MI	Jun 09	Apr 10			N		Oct-08
FY 2010		SSFP	TACOM, Warren, MI	Jan 10	Mar 11	12	7146	N		Mar-09

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles			Weapon System Type:		P-1 Line Item Nomenclature: FCS SPIN OUTS (G86200)					
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

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

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE FCS SPIN OUTS (G86200)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09														Fiscal Year 10														Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09														Calendar Year 10														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
ICS-B kits																																		
1	FY 10	A	85	0	85																									85				
Antenna- B-Kits																																		
1	FY 10	A	85	0	85																									85				
SUGV (Block 1) Accel Prgm - B -Kits																																		
1	FY 10	A	49	0	49																									49				
U-UGS-B-Kits																																		
1	FY 10	A	40	0	40																									40				
T-UGS - B-kits																																		
1	FY 10	A	23	0	23																									23				
UAV Class I (Block 0) Acc. Prgm- B-kits																																		
1	FY 10	A	33	0	33																									33				
NLOS-LS- B-Kits																																		
1	FY 10	A	12	0	12																									12				
Total																																		
					327																									327				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Boeing Co., St. Louis, MO	1	4	6		1	Initial	0	9	9	18	N/A. In G86200, Army is not manufacturing a vehicle, it is buying components to include on other vehicles. G86200 is for the Spin Out group. The FY2009 program procures the required sets of the 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 utilized in the planned Operational Testing 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 Systems(NLOS-LS). PRODUCTION RATES AND ADMINLEAD TIME TBD.
							Reorder	0	0	0	0	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>														P-1 ITEM NOMENCLATURE FCS SPIN OUTS (G86200)										Date: May 2009	
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COST ELEMENTS					Fiscal Year 11														Fiscal Year 12										Later									
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11														Calendar Year 12																		
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P								
ICS-B kits																																						
1	FY 10	A	85	0	85						7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8							0		
Antenna- B-Kits																																						
1	FY 10	A	85	0	85						7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8							0		
SUGV (Block 1) Accel Prgm - B -Kits																																						
1	FY 10	A	49	0	49						4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5							0			
U-UGS-B-Kits																																						
1	FY 10	A	40	0	40						4	4	5	5	5	5	5	5	5	5	2															0		
T-UGS - B-kits																																						
1	FY 10	A	23	0	23						2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1								0		
UAV Class I (Block 0) Acc. Prgm- B-kits																																						
1	FY 10	A	33	0	33						2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3								0		
NLOS-LS- B-Kits																																						
1	FY 10	A	12	0	12						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								0		
Total																																						
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	Initial				After 1 Oct
1	Boeing Co., St. Louis, MO	1	4	6		1	Initial	0	9	9	18	
							Reorder	0	0	0	0	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles				P-1 Item Nomenclature FCS SPIN OUTS (G86200) (Adv. Proc)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost					Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc		1.4	43.1	42.0	Continuing	Continuing
Net Proc P1		1.4	43.1	42.0	Continuing	Continuing
Initial Spares						
Total Proc Cost		1.4	43.1	42.0	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>The FCS Spin Out program is the Army's plan to accelerate the delivery of mature FCS technologies and capabilities to the current force. By accelerating these FCS capabilities; it will improve capability to the current force.</p> <p>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. Modernizing the Army is the Army's number one priority. The FCS BCT components are being designed with the warfighter, and with the insertion of selected FCS BCT capabilities into the current force (IBCT), will insure a more complete joint fighting force.</p>						
<b>Justification:</b>						
<p>FY10 procures long lead items for FCS Spin Out B-kits (ICS, Common Hardware, NLOS-LS, and UGS).</p> <p>Per new direction, MGV portion of FCS program is restructured and the refocusing of the FCS program to spin out FCS technologies faster to the IBCT.</p>						

<b>Advance Procurement Requirements Analysis-Funding (P-10A)</b>	First System Award Date: 2 Qtr FY09	First System Completion Date: 3 Qtr FY10	Date: May 2009
	Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles		P-1 Line Item Nomenclature / Weapon System: FCS SPIN OUTS (Adv. Proc)

		(\$ in Millions)					
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	PLT (mos)	When Rqd (mos)	Pr Yrs	FY 08	FY 09	FY 10	To Comp	Total
End Item Quantity								
Spin Out IBCT Early	0	0						
Non-Line of Sight Launch System (NLOS-LS)	26	0		0.3	22.0	21.5		43.8
LSI SEPM	0	0		1.1				1.1
ICS and GPCS	19	0			12.0	18.5		30.5
Unmanned Ground Sensor (T & U-UGS)	16	0			1.6	2.0		3.6
Small Unmanned Ground Vehicle (SUGV) Block 1	16	0			1.0			1.0
Class I Unmanned Aerial Vehicle Block 0	16	0			6.5			6.5
<b>Total Advance Procurement</b>			<b>0.0</b>	<b>1.4</b>	<b>43.1</b>	<b>42.0</b>	<b>0.0</b>	<b>86.5</b>

Notes:  
Spin Out IBCT Early  
NLOS-LS estimate includes Semi Active Laser (SAC) receiver, camera core, battery, network radio (SCRS) assembly, rocket motor, and warhead.  
Integrated Computer System (ICS) estimate includes computer LNP sub-assembly, input/output (I/O) card, and power supply cards.  
Unmanned Ground Sensor (T & U-UGS) estimate includes Electric Optical/Infrared (EO/IR) head assembly, radio, circuits, transistors, connectors, thermal eye, and sensors.  
Ground Platform Communications Systems (GPCS) estimate includes Connectors - Multiband Filter (MBF), and test equipment components for payload testing.  
Small Unmanned Ground Vehicle (SUGV) Block 1 estimate includes sensor head, and integrated radio.  
Class I UAV Block 0 estimate includes IMU, radios, gimbals, data terminals, ground control station, and pod hardware.

<b>Advance Procurement Requirements Analysis-Funding (P-10B)</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature / Weapon System: FCS SPIN OUTS (Adv. Proc)
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	(\$ in Millions)					
	PLT (mos)	Quantity Per Assembly	Unit Cost	2010		
				Qty	Contract Forecast Date	Total Cost Request
Non-Line of Sight Launch System (NLOS-LS)	26			12.0	2Q FY10	21.5
ICS and GPCS	19			85.0	2Q FY10	18.5
Unmanned Ground Sensor (T & U-UGS)	16			40.0	2Q FY10	2.0
<b>Total Advance Procurement</b>						<b>42.0</b>



<b>Advance Procurement Requirements Analysis-Funding (P-10C)</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature / Weapon System: FCS SPIN OUTS (Adv. Proc)
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(\$ in Millions)						
	Pr Yrs	FY 08	FY 09	FY 10	To Comp	Total
<b>Proposal w/o AP</b>						
Then Year Cost				191		191
Constant Year Cost				160		160
Present Value				149		149
<b>AP Proposal</b>						
Then Year Cost		1	42	189		232
Constant Year Cost		1	35	158		194
Present Value		1	34	148		183
<b>AP Savings (Difference)</b>						
Then Year Cost		1	42	-2		41
Constant Year Cost		1	35	-2		34
Present Value		1	34	-1		34

Advance Procurement Requirements Analysis-Execution (P-10D)											Date: May 2009		
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles						P-1 Line Item Nomenclature / Weapon System: FCS SPIN OUTS (Adv. Proc)							
(\$ in Millions)													
	PLT (mos)	2008					2009					2010	
		Qty	Contract Forecast Date	Actual Contract Date	Total Cost Request	Actual Contract Cost	Qty	Contract Forecast Date	Actual Contract Date	Total Cost Request	Actual Contract Cost	Qty	Contract Forecast Date
End Item Quantity													
Spin Out IBCT Early													
Non-Line of Sight Launch System (NLOS-LS)	26			Apr 08	0.3	0.3	3Q FY09		22.0		12	2Q FY10	
LSI SEPM				Apr 08	1.1	1.1							
ICS and GPCS	19						3Q FY09		12.0		85	2Q FY10	
Unmanned Ground Sensor (T & U-UGS)	16						3Q FY09		1.6		40	2Q FY10	
Small Unmanned Ground Vehicle (SUGV) Block 1	16						3Q FY09		1.0			2Q FY10	
Class I Unmanned Aerial Vehicle Block 0	16						3Q FY09		6.5			2Q FY10	
<b>Total Advance Procurement</b>					<b>1.4</b>	<b>1.4</b>			<b>43.1</b>				

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles				P-1 Item Nomenclature FIST VEHICLE (MOD) (GZ2300)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements: 0203735A			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	362	54				416
Gross Cost	775.3	160.4	33.3	70.2		1039.2
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	775.3	160.4	33.3	70.2		1039.2
Initial Spares	38.8					38.8
Total Proc Cost	814.1	160.4	33.3	70.2		1078.0
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The Bradley Fire Support Team (BFIST) Vehicle 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 A3 BFIST integrates a fire support Mission Equipment Package (MEP) with the advantage of Bradley A3 technology and capability advancements to embed much of the fire support functionality; what is not embedded is added as an Engineering Change Proposal (ECP) to the chassis. The A3 BFIST requires 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 the improved range capability to detect, recognize and identify targets and designate under armor as specified in the 3 May 04 Operational Requirements Document (ORD) for Heavy/Light Fire Support Vehicle.						
<b>Justification:</b> FY10 Base dollars of \$34.192 million will procure and integrate 42 FS3 Sensors on the A3 BFIST to support the Heavy Brigade Combat Team.  FY10 Overseas Contingency Operations (OCO) dollars of \$36.000 million will procure and RESET 57 FS3 Sensors on the A3 BFIST to support the Heavy Brigade Combat Team.						

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature: FIST VEHICLE (MOD) (GZ2300)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			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											
A3 Vehicle Production			114931	54	2128						
FLIR			10296								
FS3 Sensor / Integration			3980	12	332	10671	12	889	51753	99	523
Government Furnished Equipment (GFE)			13411			485			4016		
<b>SUBTOTAL</b>			<b>142618</b>			<b>11156</b>			<b>55769</b>		
Engineering Production			11300			8345			6219		
Government Support			2358			2406			2428		
Fielding			3717			4119			4233		
Test & Evaluation			368			7301			1543		
<b>SUBTOTAL</b>			<b>17743</b>			<b>22171</b>			<b>14423</b>		
<b>Total:</b>			<b>160361</b>			<b>33327</b>			<b>70192</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:		P-1 Line Item Nomenclature: FIST VEHICLE (MOD) (GZ2300)						
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>A3 Vehicle Production</b> FY 2008	BAE York PA	SS/FP	USATACOM, Warren, Mi	Feb 08	Aug 09	54	2128	yes		

REMARKS: The Bradley Fire Support Team (BFIST) vehicles are produced under the Bradley program vehicle production contract. FY08 FS3 Sensors/Integration, procured 12 FS3 Sensors which are long lead items. Lead time is between 16 to 18 months. FY09 and FY10 FS3 Sensors/Integration costs include the integration of the FS3 Sensor on the A3 BFIST.



<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature BRADLEY PROGRAM (MOD) (GZ2400)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements: 0203735.371
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	1807.3	181.9	852.0	770.0		3611.2
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1807.3	181.9	852.0	770.0		3611.2
Initial Spares						
Total Proc Cost	1807.3	181.9	852.0	770.0		3611.2
Flyaway U/C						
Weapon System Proc U/C						

**Description:**  
 This program procures Operation Desert Storm (ODS) vehicle upgrades to improve its Situational Awareness (SA). This includes the Second GEN Forward Looking Infrared (FLIR) capability which provides target detection and identification at weapon maximum effective range and achieves commonality with the M1A1 Abrams Integrated Management (AIM) tank. This modification eliminates the obsolete sensor technology on the ODS fleet.

**Justification:**  
 FY10 base funding of \$526.356 million procures ODS Situation Awareness (SA) for Bradley A2 ODS vehicles.  
 FY10 Overseas Contingency Operations (OCO) funding of \$243.600 million procures Bradley Reactive Armor and Urban Survivability Kits.

Exhibit P-40M, Budget Item Justification Sheet						Date:
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Item Nomenclature BRADLEY PROGRAM (MOD) (GZ2400)			
Program Elements for Code B Items:					Code: A	Other Related Program Elements: 0203735.371
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
A2 ODS Vehicle for Combat Engineers (ODS-E)						
1-98-05-4539	Operational	59.8	0.0	0.0	0.0	59.8
Prior Year Closed Mods						
0-00-00-0000		974.7	0.0	0.0	0.0	974.7
Bradley Reactive Armor						
1-84-05-4038	Operational	598.0	156.0	11.1	0.0	765.1
Blue Force Tracking						
2-04-05-0004	Operational	58.0	0.0	0.0	0.0	58.0
BFVS High Priority Improvements						
1-98-05-4550	Operational	298.7	385.0	232.6	0.0	916.3
ODS Situational Awareness						
2-07-05-0017	Operational	0.0	302.1	460.6	0.0	762.7
Engineering Support						
0-00-00-0000		0.0	8.9	65.7	0.0	74.6
Totals		1989.2	852.0	770.0	0.0	3611.2



**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: Bradley Reactive Armor [MOD 3] 1-84-05-4038

MODELS OF SYSTEM AFFECTED: Bradley of Family Vehicles Fleet

**DESCRIPTION / JUSTIFICATION:**

Bradley Reactive Armor is one of the High Survivability improvements to the Bradley Fighting Vehicle Systems (BFVS). The armor provides increased 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.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

Critical Design Review: 3Q98  
 Contractor Test and Evaluation: 1Q04  
 Development Test and Evaluation: 1Q04  
 Initial Operational Test and Evaluation: N/A  
 IPR Production Decision: 1Q04  
 TDP Available: Yes

**Installation Schedule**

	Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	520				146	146	146	146	22	21	21	21									
Outputs	421					146	146	146	146	22	21	21	21								

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		1189
Outputs																		1090

**METHOD OF IMPLEMENTATION:** Troop Installed      **ADMINISTRATIVE LEADTIME:** 5 months      **PRODUCTION LEADTIME:** 6 months  
 Contract Dates:                      FY 2010 - Feb 2010                      FY 2011 - N/A                      FY 2012 - N/A  
 Delivery Dates:                      FY 2010 - Aug 2010                      FY 2011 - N/A                      FY 2012 - N/A

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RD&amp;E</b>									
<b>Procurement</b>										
Kit Quantity	520	598.0	584	156.0	85	11.1			1189	765.1
Installation Kits										
Installation Kits, Nonrecurring										
Facilitization										
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support Equipment										
Other										
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits	372								372	
FY 2008 -- Kits	49								49	
FY 2009 Equip -- Kits					584				584	
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	421	0.0	0	0.0	584	0.0	0	0.0	1005	0.0
Total Procurement Cost		598.0		156.0		11.1		0.0		765.1

**INDIVIDUAL MODIFICATION**

Date: May 2009

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) represent the primary mechanized Infantry, Cavalry and Engineer forces in the Heavy Brigade Combat Teams which are currently supporting OIF. In order to retain a strategic combat overmatch against consistently improving threat forces/technologies, several Bradley Urban Survivability modifications will be incorporated on these systems. The modification includes an improved fire suppression system, armored commander's gun shield, hot box restraint which prevents stowed ammo from becoming secondary projectiles in an IED event, advanced driver and squad seats, fuel cell bladder which seals the existing fuel cell reducing fuel borne events, rear emergency ramp egress which allows immediate soldier evacuation upon an IED event and turret floor protection. FY10 quantities include 3846 Bradley Fuel Cell Survivability (BFCS); 3846 Emergency Ramp Release (ERR); and 3968 Bradley Advanced Survivability Seat - Driver (BASS-D)

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

**Installation Schedule**

	Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	2393					2028	2028	2027	4942	2915	2915	2915									
Outputs	2393						2028	2028	2027	4942	2915	2915	2915								

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		22163
Outputs																		22163

METHOD OF IMPLEMENTATION: Depot Teams      ADMINISTRATIVE LEADTIME: 5 months      PRODUCTION LEADTIME: 6 months  
 Contract Dates:      FY 2010 - Feb 2010      FY 2011 -      FY 2012 -  
 Delivery Dates:      FY 2010 - Aug 2010      FY 2011 -      FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
CMED Driver Vision Upgrade	617	85.5							617	85.5
Reset Mods	756	10.5							756	10.5
INU/Talon	271	5.0							271	5.0
Heat Abatement/Cargo Hatch	2764	2.8							2764	2.8
High Priority Mods		96.5								96.5
Urban Survivability Mods		96.4	8110	385.0	11660	232.6			19770	714.0
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits	2393	2.0							2393	2.0
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 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	2393	2.0
Total Procurement Cost		298.7		385.0		232.6		0.0		916.3

**INDIVIDUAL MODIFICATION**

Date: May 2009

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) and 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 A2 ODS's lethality, survivability, sustainability and eliminates obsolescence.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

**Installation Schedule**

Pr Yr	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>Totals</b>							48	48	48	48	89	88	88	88						
Inputs							48	48	48	48	89	88	88	88						
Outputs							48	48	48	48	89	88	88	88						

  

FY 2014	FY 2015				FY 2016				FY 2017				To Complete	Totals							
	1	2	3	4	1	2	3	4	1	2	3	4									
Inputs																					545
Outputs																					545

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 7 months PRODUCTION LEADTIME: 12 months  
 Contract Dates: FY 2010 - Apr 10 FY 2011 - FY 2012 -  
 Delivery Dates: FY 2010 - Apr 11 FY 2011 - FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
ODS Situational Awareness			192	302.1	353	460.6			545	762.7
Program Support										
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits					96				96	
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	96	0.0	0	0.0	96	0.0
Total Procurement Cost		0.0		302.1		460.6		0.0		762.7

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: Engineering Support [MOD 7] 0-00-00-0000

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

Support includes Total Package Fielding (TPF) of SA to upgrade the ODS for the Bradley Fleet, System Technical Support (STS) to mitigate electronics obsolescence, contractor engineering to support SA production and government program management activities. Funding is required in the Bradley Mod Line since no funding currently exists in the Bradley Procurement Line.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

Pr Yr	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs																				
Outputs																				

  

FY 2014	FY 2015				FY 2016				FY 2017				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

0 months

PRODUCTION LEADTIME: 0 months

Contract Dates: FY 2010 -

FY 2011 -

FY 2012 -

Delivery Dates: FY 2010 -

FY 2011 -

FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): Engineering Support [MOD 7] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Kit Quantity										
Installation Kits										
Installation Kits, Nonrecurring										
Equipment										
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support				8.9		65.7				74.6
Other										
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2008 & Prior Equip -- Kits										
FY 2009 -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
FY 2015 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		8.9		65.7		0.0		74.6



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles				P-1 Item Nomenclature HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)		
Program Elements for Code B Items: 0604854A.016		Code: B	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	1607.4	60.4	28.8	134.1		1830.8
Less PY Adv Proc	16.3					16.3
Plus CY Adv Proc	16.3					16.3
Net Proc P1	1607.4	60.4	28.8	134.1		1830.8
Initial Spares						
Total Proc Cost	1607.4	60.4	28.8	134.1		1830.8
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
<p>The funding profile, prior to FY2010, selected Paladin/Field Artillery Ammunition Support Vehicle (FAASV) modifications such as the Modular Artillery Charge System (MACS) Storage and Handling to provide accessibility, noise reduction, positive restraint, and accommodate 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. The modifications provide solutions to obsolescence, reliability, and soldier burden as well as provide for integration of Excalibur.</p> <p>For FY2010 and beyond, the Paladin Integrated Management (PIM) program will provide for the procurement of the approved obsolescence and sustainment modifications to the 155MM Self-Propelled Howitzer and FAASV. These will include leveraging Bradley common components integrating the engine transmission, final drives, and suspension. It will also replace obsolete components such as the DRU-H, hydraulics, and fatigued hull structures. Quantities associated with the fiscal year budgets are planned PIM vehicle sets (howitzers and FAASV) for procurement each fiscal year.</p>						
<b>Justification:</b>						
<p>FY10 Base dollars of \$96.503 million will procure and field 13 Paladin Integrated Management (PIM) vehicles as part of Low Rate Initial Production (LRIP) for Active. FY10 Overseas Contingency Operations (OCO) dollars of \$37.620 million will procure 1800 Cupola Bearings and 450 Chief of Section Protection Kits for Active.</p>						

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature: HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
PIM Manufacturing (Incl ANAD)		B						38050		13	2927
PIM GFE								7750			
Systems Engineering/Mgmt - Gov								11440			
System Technical Support (STS) - Contr								15303			
System Test and Evaluation - Gov								6000			
PIM Non-Recurring Eng/Logistics								16250			
Fielding								1710			
PDFCS			52029			28828					
MACS			8419								
Cupola Bearings (1800)								27000			
Chief of Section Protection Kits (450)								10620			
<b>Total:</b>			<b>60448</b>			<b>28828</b>		<b>134123</b>			

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)							
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
<b>PIM Manufacturing (Incl ANAD)</b> FY 2010	BAE Systems York, PA	TBD	TACOM, Warren, MI	Jun 10	Jun 11	13	2927	no		

REMARKS:

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>														P-1 ITEM NOMENCLATURE HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)										Date: May 2009	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-------------------	--

COST ELEMENTS						Fiscal Year 10														Fiscal Year 11														Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10														Calendar Year 11														
						O C T	N O V	D E C	J A N	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					

PIM Manufacturing (Incl ANAD)																																												
1	FY 10	A	13	0	13																												2	3	3	5	0							
Total					13																																			2	3	3	5	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P															

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	1			Prior 1 Oct	After 1 Oct			
								Initial	Reorder			
1	BAE Systems, York, PA	1	10	20		1	0	9	12	21		
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	359	116	120	12		607
Gross Cost	952.6	281.5	369.1	96.8		1700.0
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	952.6	281.5	369.1	96.8		1700.0
Initial Spares						
Total Proc Cost	952.6	281.5	369.1	96.8		1700.0
Flyaway U/C						
Weapon System Proc U/C	2.7	2.4	3.1	8.1		16.2

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

**Justification:**  
FY10 procures a total of 12 M88A2 HERCULES utilizing the existing M88A1 chassis as the base vehicle and incorporating the 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 operation shortcomings. In addition, the increased winching and lifting capability accommodates all Abrams variants including the 70 ton M1A2 System Enhancement Program (SEP) tank. Without the improvements incorporated in the M88A2 HERCULES, units must use two recovery vehicles to perform the spectrum of recovery missions.

FY10 Base dollars of \$96.814 million will procure 12 M88A2 HERCULES and Operational Block Improvements for production cut-in vehicles plus operational enhancements for nine brigades.

		FY2008	FY2009	FY2010
Active	QTY	78	115	9
	Gross Cost	\$189.124	\$355.910	\$74.006
National Guard	QTY	38	0	1
	Gross Cost	\$92.400	0	\$9.608

**Exhibit P-40, Budget Item Justification Sheet**

Date: May 2009

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

P-1 Item Nomenclature  
IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)

Program Elements for Code B Items:

Code:  
A

Other Related Program Elements:

Reserve	QTY	5	2
	Gross Cost	\$13.200	\$13.200

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature: IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			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	226401	116	1952	278188	120	2318	33146	12	2762
Vehicle Manufacturing - GFE			9590			17075			1806		
Engine Re-Power						3860					
Improved Production Rate Capabilities			1000								
Engine Repower Facility Vehicle									2000		
Manufacturing - TAGS			4608								
Contractor Engineering			23038			33550			15361		
Engineering Change Orders			1292			1241			339		
Program Management -Core			1700			3368			2496		
Project Management - OGA			1438			1983			1464		
Transportation			1462			3785			2907		
Fielding (TPF & NET)			1129			2511			1437		
Testing			2000			5089			4000		
Depot Maintenance - Premodification			7866			13477			1175		
Operational Block Improvements						4983			30683		
<b>Total:</b>			<b>281524</b>			<b>369110</b>			<b>96814</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Vehicle Manufacturing - Contractor</b>										
FY 2008	BAE Systems York, PA	SS-FFP	TACOM	Jan 08	Mar 09	116	1952	YES		Nov 07
FY 2009	BAE Systems York, PA	SS-FFP	TACOM	Mar 09	Mar 10	120	2318	YES		Nov 08
FY 2010	BAE Systems York, PA	SS-FFP	TACOM	Jan 10	Jan 11	12	2762	YES		Nov 09

REMARKS:



<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Vehicle Manufacturing - Contractor																																			
1	FY 08	A	116	0	116																							0							
1	FY 09	A	120	0	120						A															9	9	10	10	10	10	10	52		
1	FY 10	A	12	0	12															A												12			
Total					248																														64
						O C T	N O V	D E C	J A N	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						

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS Production rates stated are monthly vs. yearly.
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	BAE Systems, York, PA	1			6	12			
							Reorder	0	4	12	16
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Vehicle Manufacturing - Contractor																														
1	FY 08	A	116	116																										0
1	FY 09	A	120	68	52	11	11	10	10	10																				0
1	FY 10	A	12	0	12				1	1	1	1	1	1	1	1	1	1	1											0
					64	11	11	10	11	11	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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS Production rates stated are monthly vs. yearly.	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	BAE Systems, York, PA	1	6	12	2	1	Initial	0	4	14	18	
							Reorder	0	4	12	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 13 / 14 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)	Date: May 2009
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COST ELEMENTS						Fiscal Year 13													Fiscal Year 14													Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 13													Calendar Year 14													
						O C T	N O V	D E C	J A N	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			

Vehicle Manufacturing - Contractor																																		
1	FY 08	A	116	116																														0
1	FY 09	A	120	120																														0
1	FY 10	A	12	12																														0
Total																																		
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS Production rates stated are monthly vs. yearly.
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	BAE Systems, York, PA	1	6	12	2	1	Initial	0	4	14	18
							Reorder	0	4	12	16
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature ARMORED BREACHER VEHICLE (G82925)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty		10		13		23
Gross Cost		44.8		63.3		108.1
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1		44.8		63.3		108.1
Initial Spares						
Total Proc Cost		44.8		63.3		108.1
Flyaway U/C						
Weapon System Proc U/C		4.5		4.9		9.3

**Description:**  
The Assault Breacher Vehicle (ABV) is a joint program with the United States Marine Corps (lead service). It is a tracked combat engineer vehicle for the Marine Air Ground Task Force & Army Heavy Brigade Combat Team (HBCT). The ABV will be assigned to engineer companies in HBCTs. The ABV will provide crew protection and vehicle survivability while having the speed and mobility to keep pace with the maneuver force. Major components of this system include a removable Full-Width Mine Plow (FWMP), 2nd Combat Dozer Blade (CDB), two linear demolition charges (LDC), a lane-marking system, and weapon station integration on a modified M1A1 tank hull.  
AAO ABV: 183

**Justification:**  
FY10 Base procurement dollars in the amount of \$63.250 million procures 13 Assault Breacher Vehicles to support the Active Army unit requirements. The Army currently does not have the capabilities provided by the ABV. The ABV provides the Army and the Marine Corps 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.

		FY2008	FY2009	FY2010
Active	QTY	10		6
	Gross Cost	\$44.846		\$27.390
National Guard	QTY			7
	Gross Cost			\$35.860

<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware			40270	10	4027				52351	13	4027
Fielding Support			1390						3761		
Program Support			350						1286		
Logistics Products			1300						2064		
Matrix Support			1100						1336		
Transportation			100						1236		
ECP's									361		
Training			336						855		
<b>Total:</b>			<b>44846</b>						<b>63250</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: ARMORED BREACHER VEHICLE (G82925)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b>										
FY 2008	Anniston Army Depot Anniston, AL	MIPR	Quantico, VA	Feb 08	Apr 09	10	4027	N/A	N/A	N/A
FY 2010	Anniston Army Depot Anniston, AL	MIPR	Quantico, VA	Dec 09	May 11	13	4027	N/A	N/A	N/A

REMARKS: The ABV is managed by the Marine Corps Systems Command. Numerous subsystems are purchased through USMC contracts until Army contracts can be put in place. Transition to Army management is planned for FY10.

**FY 09 / 10 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
ARMORED BREACHER VEHICLE (G82925)

Date: May 2009

COST ELEMENTS						Fiscal Year 09														Fiscal Year 10														Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09														Calendar Year 10														
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
Hardware																																		
1	FY 08	A	10	0	10								2	1	1	1	1	1	1	1									0					
1	FY 10	A	13	0	13																								13					
					23								2	1	1	1	1	1	1	1								13						
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

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

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE ARMORED BREACHER VEHICLE (G82925)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Hardware																															
1	FY 08	A	10	10																										0	
1	FY 10	A	13	0	13								1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2		0	
					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		

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



<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature JOINT ASSAULT BRIDGE (GZ3001)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	6		11	22		39
Gross Cost	34.8	10.3	40.3	70.6		156.1
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	34.8	10.3	40.3	70.6		156.1
Initial Spares						
Total Proc Cost	34.8	10.3	40.3	70.6		156.1
Flyaway U/C						
Weapon System Proc U/C	5.8		3.7	3.2		12.7

**Description:**  
The Joint Assault Bridge (JAB) is a joint program with the United States Marine Corps (lead service). It entails installing Hydraulic Bridge Launcher (HBL) hardware, modified from the British Army Titan bridging vehicle, on an M1A1 hull to launch and recover the existing Armored Vehicle Launched Bridge (AVLB) scissor bridge. 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). As an aid to assist with institutional training, simulators will be procured in FY09.

AAO JAB: 168

**Justification:**  
FY10 Base procurement dollars in the amount of \$70.637 million procures 22 Joint Assault Bridges. 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 AVLB system in the Mobility Augmentation Companies. The JAB is critical to the Army's plans for a modular, brigade-based force structure.

		FY2008	FY2009	FY2010
Active	QTY		11	4
	Gross Cost		\$40.345	\$15.176
National Guard	QTY			6
	Gross Cost	\$10.313		\$19.800
Reserve	QTY			12
	Gross Cost			\$35.661

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Line Item Nomenclature: JOINT ASSAULT BRIDGE (GZ3001)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware						37100	11	3373	61380	22	2790
Fielding Support									2000		
Logistics Products			2893			350			520		
Matrix Support			1120			570			2000		
Program Support			1050			775			757		
Transportation						100			400		
ECPs			500			350			750		
Simulators						1100					
Bridge Upgrades			4750						2830		
<b>Total:</b>			<b>10313</b>			<b>40345</b>			<b>70637</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:		P-1 Line Item Nomenclature: JOINT ASSAULT BRIDGE (GZ3001)						
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b>										
FY 2009	BAE Systems Land Systems Newcastle, UK	MIPR	Quantico, VA	Nov 09	Nov 10	11	3373	N/A	N/A	N/A
FY 2010	BAE Systems Land Systems Newcastle, UK	MIPR	Quantico, VA	Jan 10	Feb 11	22	2790	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 through FY10. Integration of the launcher mechanism, M1A1 hull, and bridge will be performed by Anniston Army Depot. Beginning FY11, TACOM plans to award a competitive Hydraulic Bridge Launcher contract to meet Army and USMC needs through FY16. Hardware will be delivered to ANAD for both Army and USMC requirements. USMC will provide funds to TACOM via MIPR to fulfill their requirements.

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE JOINT ASSAULT BRIDGE (GZ3001)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09														Fiscal Year 10														Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09														Calendar Year 10														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

Hardware																																					
1	FY 09	A	11	0	11																															11	
2	FY 10	A	22	0	22																															22	
Total					33																															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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	Initial				After 1 Oct
1	Anniston Army Depot, Anniston, AL	1	24	36		1	0	14	12	26		
							0	0	0	0		
2	BAE Systems Land Systems, Newcastle, UK	1	24	36		2	0	4	13	17		
							0	3	13	16		

**FY 11 / 12 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
JOINT ASSAULT BRIDGE (GZ3001)

Date: May 2009

COST ELEMENTS						Fiscal Year 11													Fiscal Year 12													Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11													Calendar Year 12													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
Hardware																																
1	FY 09	A	11	0	11		3	3	3	2																		0				
2	FY 10	A	22	0	22				2	2	2	2	2	3	3	3	3											0				
Total							3	3	3	4	2	2	2	2	3	3	3	3														
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Anniston Army Depot, Anniston, AL	1	24	36		1	Initial	0	14	12	26	JAB production lead time is 13 months at ANAD.
							Reorder	0	0	0	0	
2	BAE Systems Land Systems, Newcastle, UK	1	24	36		2	Initial	0	4	13	17	
							Reorder	0	3	13	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles				P-1 Item Nomenclature M1 ABRAMS TANK (MOD) (GA0700)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements: 0203735.330			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	2528.3	1123.1	766.5	183.8		4601.7
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	2528.3	1123.1	766.5	183.8		4601.7
Initial Spares						
Total Proc Cost	2528.3	1123.1	766.5	183.8		4601.7
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> 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 Program. Unique M1A1 Situational Awareness (SA) improvements include Block I Forward Looking InfraRed (FLIR) and Far Target Locate. Lethality improvements include a Stabilized Commander's Weapon Station (SCWS) for M1A1 and M1A2. 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. Key safety improvements include the loaders tray modification and ammunition rack upgrades.						
<b>Justification:</b> FY10 base dollars in the amount of \$183.829 million procures TIGER Engines for both the ARNG and Army units, upgrade system training devices to remain current with the upgraded fleet configuration/capabilities, as well as the field application of Loaders Tray Safety Fixes, Drivers Rear Camera, Tiger Data Memory Module, Profile Verification Program (PVP), Ammunition Rack Upgrades, road arm improvements.  FY10 has no OCO dollars						

<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date:
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Item Nomenclature M1 ABRAMS TANK (MOD) (GA0700)			
Program Elements for Code B Items:					Code: A	Other Related Program Elements: 0203735.330
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
Prior Year Closed Mod's						
0-00-00-0000		750.0	0.0	0.0	0.0	750.0
Abrams Field Upgrades						
1-97-05-4534	Operational	214.7	35.4	33.8	0.0	283.9
Abrams Integrated Management (AIM)						
2-04-05-0009	Operational	487.2	47.9	0.3	0.0	535.4
Driver's Hatch Interlock (DHI)						
1-97-05-4520	Safety	39.1	0.0	0.0	0.0	39.1
NBC Fire Prevention						
1-97-05-4524	Safety	19.3	0.0	0.0	0.0	19.3
Blue Force Tracking						
2-04-05-0007	Operational	41.4	0.0	0.0	0.0	41.4
Other Operational Enhancements						
2-04-05-0011	Operational	118.4	103.1	0.0	0.0	221.5
Armor						
1-99-05-4555	Operational	471.2	27.5	28.1	0.0	526.8
Engineering Support						
0-00-00-0000	Operational	50.2	2.3	2.4	0.0	54.9
Situational Awareness/Tank Urban Survivability Kit						
2-04-05-0012	Operational	785.7	378.0	0.0	0.0	1163.7
Power Pack Improvement & Integration Optimization						
2-04-05-0008	Operational	664.4	172.3	93.6	0.0	930.3
Advanced Ammunition Integration						
1-01-05-0011	Operational	9.8	0.0	0.0	0.0	9.8
Training Devices						
0-00-00-0000		0.0	0.0	25.6	0.0	25.6
<b>Totals</b>		<b>3651.4</b>	<b>766.5</b>	<b>183.8</b>	<b>0.0</b>	<b>4601.7</b>

**INDIVIDUAL MODIFICATION**

Date: May 2009

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. The FY10 field modifications include Ammunition Rack Safety Mod (quantity of 180), Total Integrated Engine Revitalization (TIGER) Engine Data Memory Modules (quantity of 130), and roadarm improvements (quantity of 406).

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

**Installation Schedule**

Pr Yr	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>Totals</b>													179	179	179	179				
<b>Inputs</b>																				
<b>Outputs</b>														179	179	179	179			

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
<b>Inputs</b>																					716
<b>Outputs</b>																					716

METHOD OF IMPLEMENTATION: Contractor Teams ADMINISTRATIVE LEADTIME: 9 months PRODUCTION LEADTIME: 18 months

Contract Dates: FY 2010 - Jun 10 FY 2011 - FY 2012 -

Delivery Dates: FY 2010 - Dec 11 FY 2011 - FY 2012 -



**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Kit Quantity		214.7		35.4	716	33.8			716	283.9
Installation Kits										
Installation Kits, Nonrecurring										
Equipment										
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support Equipment										
Other										
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		214.7		35.4		33.8		0.0		283.9

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

MODELS OF SYSTEM AFFECTED: M1A1 SA (958)

**DESCRIPTION / JUSTIFICATION:**

This modification will be used for the M1A1 Situational Awareness (SA) "0" time overhaul (Abrams Integrated Management (AIM)) [Depot Overhaul] Program. It includes an upgrade to the ammunition rack, Driver's Viewer Enhancement, Loaders Tray, 2nd Gen FLIR, and enhanced embedded diagnostics. Installation costs are included in the contractor costs and cannot be broken out.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

Various - Milestones differ for individual Modifications noted above.

**Installation Schedule**

	Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	539	38	45	40	45	40	35	29	10												
Outputs	419	40	45	45	40	40	45	45	42	45	15										

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		821
Outputs																		821

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 11 months  
 Contract Dates: FY 2010 - FY 2011 - FY 2012 -  
 Delivery Dates: FY 2010 - FY 2011 - FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Kit Quantity										
Installation Kits	791	487.2	30	47.9		0.3			821	535.4
Installation Kits, Nonrecurring										
Equipment										
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support Equipment										
Other										
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits	419								419	
FY 2008 -- Kits			170						170	
FY 2009 Equip -- Kits					172				172	
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip -- Kits										
Total Installment	419	0.0	170	0.0	172	0.0	0	0.0	761	0.0
Total Procurement Cost		487.2		47.9		0.3		0.0		535.4

**INDIVIDUAL MODIFICATION**

Date: May 2009

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.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

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

**Installation Schedule**

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs										12	11	11	11							
Outputs											12	11	11	11						

  

1	2	3	4	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						45
Outputs																						45

METHOD OF IMPLEMENTATION: Contractor Teams ADMINISTRATIVE LEADTIME: 4 months PRODUCTION LEADTIME: 12 months  
 Contract Dates: FY 2010 - Jan 10 FY 2011 - FY 2012 -  
 Delivery Dates: FY 2010 - Jan 11 FY 2011 - FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Kit Quantity										
Installation Kits										
Installation Kits, Nonrecurring										
Equipment										
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support Equipment										
Other		471.2		27.5	45	28.1			45	526.8
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		471.2		27.5		28.1		0.0		526.8

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: Engineering Support [MOD 9] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Whole Fleet

**DESCRIPTION / JUSTIFICATION:**

Support encompasses government salaries as well as contractor System Technical Support (STS), Total Package Fielding (TPF), and Special Tools & Test Equipment (ST&TE) for the Abrams fleet. Modification support is synergistically intertwined with related efforts funded in GA0750 [M1A2 SEP Upgrade].

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

N/A

**Installation Schedule**

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

  

1	2	3	4	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

0 months

PRODUCTION LEADTIME: 0 months

Contract Dates:

FY 2010 -

FY 2011 -

FY 2012 -

Delivery Dates:

FY 2010 -

FY 2011 -

FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): Engineering Support [MOD 9] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Kit Quantity										
Installation Kits										
Installation Kits, Nonrecurring										
Equipment										
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support		50.2		2.3		2.4				54.9
Other										
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		50.2		2.3		2.4		0.0		54.9

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

MODELS OF SYSTEM AFFECTED: M1A2 SEP, M1A1 SA

**DESCRIPTION / JUSTIFICATION:**

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

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

Various - Milestones differ for individual modifications noted above.

**Installation Schedule**

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs									90	90	90	95								
Outputs										90	90	90	95							

  

1	FY 2014			FY 2015			FY 2016			FY 2017			To Complete	Totals	
	2	3	4	1	2	3	4	1	2	3	4				
Inputs															365
Outputs															365

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 4 months PRODUCTION LEADTIME: 9 months  
 Contract Dates: FY 2010 - Jan 10 FY 2011 - FY 2012 -  
 Delivery Dates: FY 2010 - Oct 10 FY 2011 - FY 2012 -



**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Kit Quantity										
Installation Kits										
Installation Kits, Nonrecurring										
Equipment		664.4		172.3	365	93.6			365	930.3
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support Equipment										
Other										
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		664.4		172.3		93.6		0.0		930.3

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: Training Devices [MOD 13] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Abrams FOV

**DESCRIPTION / JUSTIFICATION:**

Provides funding for Training Aids, Devices, Simulators and Simulations (TADSS) in support of the Abrams family of vehicles. System training devices are required to remain current with upgraded fleet configuration/capabilities. TADSS include Maintenance Trainers (quantity of 4), Gunnery Trainer Tech Refresh (quantity of 79), Close Combat Tactical Trainer (CCTT) Tech Refresh (quantity of 17), Common Drivers Trainer Upgrades (quantity of 18), Multiple Integrated Laser Engagement System (MILES) Combat Vehicle Systems (CVS) Tracer Effects (quantity of 358), Desktop Trainer Lessons (quantity of 1), Abrams Common Software Library (quantity of 1) and Through Sight Video(quantity of 186).

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

**Installation Schedule**

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs												166	166	166	166					
Outputs												166	166	166	166					

  

1	2	3	4	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						664
Outputs																						664

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 9 months PRODUCTION LEADTIME: 13 months

Contract Dates: FY 2010 - Jun 10 FY 2011 - FY 2012 -

Delivery Dates: FY 2010 - Jul 11 FY 2011 - FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): Training Devices [MOD 13] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Kit Quantity										
Installation Kits										
Installation Kits, Nonrecurring										
Equipment										
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment					664	25.6			664	25.6
Support Equipment										
Other										
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2008 & Prior Equip -- Kits										
FY 2009 -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
FY 2015 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		0.0		25.6		0.0		25.6

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature ABRAMS UPGRADE PROGRAM (GA0750)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements: 0203735A.D330
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	1136	260	111	22		1529
Gross Cost	5975.5	1238.7	580.5	185.6		7980.3
Less PY Adv Proc	2064.5					2064.5
Plus CY Adv Proc	2064.5					2064.5
Net Proc P1	5975.5	1238.7	580.5	185.6		7980.3
Initial Spares						
Total Proc Cost	5975.5	1238.7	580.5	185.6		7980.3
Flyaway U/C						
Weapon System Proc U/C	5.3	4.8	5.2	8.4		23.7

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

**Justification:**  
FY10 Base dollars of \$185.611 million will procure 22 Abrams M1A2 SEP Upgrade Vehicles.

FY08-FY10 funding supports the Active.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: ABRAMS UPGRADE PROGRAM (GA0750)	Weapon System Type:	Date: May 2009
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WTCV Cost Elements	ID CD	FY 08			FY 09			FY 10		
		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	A	674908	260	2596	314962	111	2837	63129	22	2870
FLIR	A	90808	260	349	39531	111	356	9191	22	418
GFE	A	35337			15385			3576		
Armor										
Depot Maint Pre-Mod	A	207610	260	799	89595	111	807	19109	22	869
STS, TPF, ST&TS, Gov't Spt	A	230009			121070			90606		
<b>Total:</b>		<b>1238672</b>			<b>580543</b>			<b>185611</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: ABRAMS UPGRADE PROGRAM (GA0750)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Basic Vehicle</b>										
FY 2008	Joint Service Mfg Corp Lima, OH	MYP/FFP	TACOM-Warren	Feb 08	Oct 10	260	2596	Yes		
FY 2009	Joint Service Mfg Corp Lima, OH	MYP/FFP	TACOM-Warren	Feb 09	Jan 12	111	2837	yes		
FY 2010	Joint Service Mfg Corp Lima, OH	MYP/FFP	TACOM-Warren	Dec 09	Aug 12	22	2870	yes		
<b>FLIR</b>										
FY 2008	Raytheon McKinney, TX	SS/CPFF	CECOM - Picatinny	Feb 08	Apr 10	260	349	Yes		
FY 2009	Raytheon McKinney, TX	SS/CPFF	CECOM - Picatinny	Feb 09	Jul 11	111	356	yes		
FY 2010	Raytheon McKinney, TX	SS/CPFF	CECOM - Picatinny	Feb 10	Feb 12	22	418	yes		

REMARKS:

**FY 09 / 10 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
ABRAMS UPGRADE PROGRAM (GA0750)

Date:  
May 2009

COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Basic Vehicle																														
1	FY 07	A	98	0	98															7	14	14	14	3	8	3	7	14	14	
1	FY 08	A	260	0	260																								260	
1	FY 09	A	111	0	111					A																			111	
1	FY 10	A	22	0	22																A								22	
Total																					7	14	14	14	3	8	3	7	14	407

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	Joint Service Mfg Corp, Lima, OH	12			120	336	1	Initial	
						Reorder	0	3	32	35	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE ABRAMS UPGRADE PROGRAM (GA0750)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Basic Vehicle																													
1	FY 07	A	98	84	14	14																						0	
1	FY 08	A	260	0	260	6	22	22	23	28	18	18	20	15	14	15	15	15	10	14	5							0	
1	FY 09	A	111	0	111															10	15	15	15	20	22	9	5	0	
1	FY 10	A	22	0	22																					4	9	9	
					407	20	22	22	23	28	18	18	20	15	14	15	15	15	10	14	15	15	15	15	20	22	9	9	9
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Joint Service Mfg Corp, Lima, OH	12	120	336		1	Initial	0	4	36	40	
							Reorder	0	3	32	35	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>FY 13 / 14 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE ABRAMS UPGRADE PROGRAM (GA0750)	Date: May 2009
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COST ELEMENTS						Fiscal Year 13												Fiscal Year 14												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 13												Calendar Year 14												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Basic Vehicle																												
1	FY 07	A	98	98																								0
1	FY 08	A	260	260																								0
1	FY 09	A	111	111																								0
1	FY 10	A	22	13	9	9																						0
Total					9	9																						
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Joint Service Mfg Corp, Lima, OH	12	120	336		1	Initial	0	4	36	40	FY08 Bridge and Main supplemental production schedule = 2 months (Bridge) and 14 months (Main).
							Reorder	0	3	32	35	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles				P-1 Item Nomenclature ITEMS LESS THAN \$5.0M (TCV-WTCV) (GL3100)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	33.7		1.6			35.3
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	33.7		1.6			35.3
Initial Spares						
Total Proc Cost	33.7		1.6			35.3
Flyaway U/C						
Weapon System Proc U/C						
<p><b>Description:</b> Provides for procurement/assembly of full tracked vehicle organizational maintenance tool/shop sets. This equipment has multi-applications and is essential for effective maintenance on all tracked vehicles.</p> <p><b>Justification:</b> FY10 has no funding.</p>						

**Exhibit P-40, Budget Item Justification Sheet**

Date: May 2009

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles  
 P-1 Item Nomenclature PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050)

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

	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	444.3	7.7	7.1	6.6		465.7
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc PI	444.3	7.7	7.1	6.6		465.7
Initial Spares						
Total Proc Cost	444.3	7.7	7.1	6.6		465.7
Flyaway U/C						
Weapon System Proc U/C						

**Description:**

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

**Justification:**

FY10 Base procurement dollars in the amount of \$6.601 procures repair or replacement of Government-owned Industrial Plant Equipment (IPE) and Government-owed 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. 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. Funding is required to establish, modernize or replace Army-owned industrial facilities and equipment used in direct support of increased WTCV production requirements, resulting from ongoing heightened tensions/surge requirements in direct support of Oversea Contingency Operations (OCO). In the present OCO environment, TACOM's Industrial Base needs require funding to establish, modernize and/or replace Army owned industrial facilities and equipment used in direct support of increased WTCV production requirements (PIF Projects, Parts obsolescence, supplier non-availability, Foreign Dependency, and Single Source Failure issues) throughout the Industrial Base, and direct manufacturing support of the Organic Base.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050)	Weapon System Type:	Date: May 2009
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WTCV Cost Elements	ID	FY 08			FY 09			FY 10		
	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		7261			6662			6601		
LIF		447			453					
<b>Total:</b>		<b>7708</b>			<b>7115</b>			<b>6601</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles			P-1 Item Nomenclature PIF1 OMNIBUS(TCV-WTCV) (GA2001)			
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	403.5	7.3	6.7	6.6		424.0
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	403.5	7.3	6.7	6.6		424.0
Initial Spares						
Total Proc Cost	403.5	7.3	6.7	6.6		424.0
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> 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. In addition this program supports multiple track and wheeled vehicle systems across the TACOM LCMC community.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$6.601 procures repair or replacement of Government-owned Industrial Plant Equipment (IPE) and Government-owed 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 is required to establish, modernize or replace Army-owned industrial facilities and equipment used in direct support of increased WTCV production requirements, resulting from ongoing heightened tensions/surge requirements in direct support of Overseas Contingency Operations (OCO). In the present OCO environment, TACOM's Industrial Base needs requires funding to establish, modernize and/or replace Army owned industrial facilities and equipment used in direct support of increased WTCV production requirements (PIF Projects, Parts obsolescence, supplier non-availability, Foreign Dependency, and Single Source Failure issues) throughout the Industrial Base, and direct manufacturing support of the Organic Base.						

**Exhibit P-40C, Budget Item Justification Sheet**

Date: May 2009

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

<u>Location</u>	<u>Project Title</u>	<u>Project</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
<u>Production Support</u>					
	M1 Abrams Program-LIMA	U6037	4559	3997	3695
	M1 Abrams Program-SCRANTON	U6040	2702	2665	2464
	TACOM LCMC Production Base Spt Program	U4282			442
	<b>Subtotal - Production</b>		<b>7,261</b>	<b>6,662</b>	<b>6,601</b>
<u>Environmental</u>					
	<b>Subtotal - Environmental</b>		<b>0</b>	<b>0</b>	<b>0</b>
	<b>Total Industrial Facilities</b>		<b>7,261</b>	<b>6,662</b>	<b>6,601</b>

Exhibit P-25, Production Support and Industrial Facilities Cost Analysis ( <i>Dollars in Thousands</i> )							1. Date: May 2009				
2. Project Title/Type M1 Abrams Program-LIMA				3. End Item Supported Model Not Applicable							
4. Project Number: U6037		5. Annual Capacity Before (1-8-5) N/A			6. Annual Capacity After (1-8-5): N/A						
Element of Cost		FY 08	FY 09	FY 10	H. Facility						
<b>A. Construction Cost</b>		4559	3997	3695	1. Name: -						
<b>B. Equipment Cost*</b> (Individual equipment cost should be specified for all equipment costing more than \$0.5 Million)					2. Location: <u>TACOM</u>						
1.					3. Type (GOGO, GOCO, COCO): -						
2.					<b>I. Related Projects</b>						
3.					Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date
<b>Subtotal Costs</b>											
<b>C. Equipment Installation Cost</b>											
<b>D. Contractor Support Cost</b>											
<b>E. Corps of Engineers Support Cost</b>											
<b>F. Other In-House Support Cost</b>											
<b>Total Facility Project Cost</b>		4559	3997	3695							
<b>G. Other Costs</b>					<b>J. Principal Milestones</b>						
1. Facility Prove-out Cost					1. Concept Design Complete: <u>Not Applicable</u>						
2. Material Construction Appn.					2. Final Design Complete: <u>Not Applicable</u>						
					3. Initial/Final Project Award: <u>Not Applicable</u>						
					4. Construction Complete: <u>Not Applicable</u>						
					5. Equipment Installation Complete: <u>Not Applicable</u>						
					6. Prove Out Begins: <u>Not Applicable</u>						
					7. Prove Out Complete: <u>Not Applicable</u>						
<b>Narrative Explanation:</b>											

<b>Exhibit P-25, Production Support and Industrial Facilities Cost Analysis (<i>Dollars in Thousands</i>)</b>							1. Date: May 2009		
2. Project Title/Type M1 Abrams Program-SCRANTON				3. End Item Supported Model Not Applicable					
4. Project Number: U6040		5. Annual Capacity Before (1-8-5) N/A			6. Annual Capacity After (1-8-5): N/A				
<b>Element of Cost</b>		<b>FY 08</b>	<b>FY 09</b>	<b>FY 10</b>	<b>H. Facility</b>				
<b>A. Construction Cost</b> <b>B. Equipment Cost*</b> (Individual equipment cost should be specified for all equipment costing more than \$0.5 Million) <ul style="list-style-type: none"> <li>1.</li> <li>2.</li> <li>3.</li> </ul>		2702	2665	2464	1. Name: -				
					2. Location: <u>TACOM</u>				
<b>Subtotal Costs</b> <b>C. Equipment Installation Cost</b> <b>D. Contractor Support Cost</b> <b>E. Corps of Engineers Support Cost</b> <b>F. Other In-House Support Cost</b> <b>Total Facility Project Cost</b> <b>G. Other Costs</b> <ul style="list-style-type: none"> <li>1. Facility Prove-out Cost</li> <li>2. Material Construction Appn.</li> </ul>		2702	2665	2464	<b>I. Related Projects</b>				
					Project Number	Title	FY & Appn	Value (\$ Mil)	Facing
		2702	2665	2464	<b>J. Principal Milestones</b>				<b>Month &amp; Year</b>
					1. Concept Design Complete:				<u>Not Applicable</u>
					2. Final Design Complete:				<u>Not Applicable</u>
					3. Initial/Final Project Award:				<u>Not Applicable</u>
					4. Construction Complete:				<u>Not Applicable</u>
					5. Equipment Installation Complete:				<u>Not Applicable</u>
					6. Prove Out Begins:				<u>Not Applicable</u>
					7. Prove Out Complete:				<u>Not Applicable</u>
<b>Narrative Explanation:</b>									



Exhibit P-25, Production Support and Industrial Facilities Cost Analysis ( <i>Dollars in Thousands</i> )							1. Date: May 2009				
2. Project Title/Type TACOM LCMC Production Base Spt Program				3. End Item Supported Model Not Applicable							
4. Project Number: U4282		5. Annual Capacity Before (1-8-5) N/A			6. Annual Capacity After (1-8-5): N/A						
Element of Cost		FY 08	FY 09	FY 10	H. Facility						
<b>A. Construction Cost</b>					1. Name: -						
<b>B. Equipment Cost*</b> (Individual equipment cost should be specified for all equipment costing more than \$0.5 Million)				442	2. Location: <u>TACOM</u>						
1.					3. Type (GOGO, GOCO, COCO): -						
2.					<b>I. Related Projects</b>						
3.					Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date
<b>Subtotal Costs</b>				442							
<b>C. Equipment Installation Cost</b>											
<b>D. Contractor Support Cost</b>											
<b>E. Corps of Engineers Support Cost</b>											
<b>F. Other In-House Support Cost</b>											
<b>Total Facility Project Cost</b>											
<b>G. Other Costs</b>					<b>J. Principal Milestones</b>						
1. Facility Prove-out Cost					1. Concept Design Complete: <u>Not Applicable</u>						
2. Material Construction Appn.					2. Final Design Complete: <u>Not Applicable</u>						
					3. Initial/Final Project Award: <u>Not Applicable</u>						
					4. Construction Complete: <u>Not Applicable</u>						
					5. Equipment Installation Complete: <u>Not Applicable</u>						
					6. Prove Out Begins: <u>Not Applicable</u>						
					7. Prove Out Complete: <u>Not Applicable</u>						
<b>Narrative Explanation:</b>											

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature LAYAWAY OF INDUSTRIAL FACILITIES (GA2100)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	40.4	0.4	0.5			41.3
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	40.4	0.4	0.5			41.3
Initial Spares						
Total Proc Cost	40.4	0.4	0.5			41.3
Flyaway U/C						
Weapon System Proc U/C						

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

**Justification:**  
FY10 has no funding.

**Exhibit P-40C, Budget Item Justification Sheet**

Date: May 2009

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

<u>Location</u>	<u>Project Title</u>	<u>Project</u>	<u>FY 08</u>	<u>FY 09</u>	<u>FY 10</u>
Rock Island Arsenal Rock Island, Illinois	TACOM LCMC Production Base Spt Program	U4282	0.447	0.453	
	Total		0.447	0.453	

<b>Exhibit P-17, Layaway and/or Distribution</b>			Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles		P-1 Item Nomenclature LAYAWAY OF INDUSTRIAL FACILITIES (GA2100)	
Project: U4282	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>
Funding:	0.447	0.453	
Title: TACOM LCMC Production Base Spt Program Description:			
<b>Manufacturer (Name and Location)</b> Rock Island Arsenal Rock Island, Illinois	<b>Production Lines being laid away (Include Location)</b>		<b>Production Ends</b>
<b>Layaway Cost:</b>	<b>Other Costs:</b>	<b>Annual Maintenance Cost:</b>	

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements: 0604854.509			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	624	127	90	70		911
Gross Cost	497.4	117.2	112.6	95.6		822.9
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	497.4	117.2	112.6	95.6		822.9
Initial Spares						
Total Proc Cost	497.4	117.2	112.6	95.6		822.9
Flyaway U/C						
Weapon System Proc U/C	0.8	0.9	1.3	1.4		4.3
<b>Description:</b> 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 its Vietnam-era M102, 105MM howitzers with this improved weapon. Non Recurring Engineering (NRE) is conducted to facilitate integration of the Digitization Modification.  FY09 Weapon System Procurement Unit Cost is high because of Long Lead requirements for the following year (FY10).						
<b>Justification:</b> FY10 Base dollars of \$95.631 million will procure 70 howitzers, initial spares, testing and the Digitization Integration system modification.						
		FY2008	FY2009	FY2010		
Active	QTY	74	26	31		
	Gross Cost	\$68.332	\$34.115	\$39.680		
National Guard	QTY	53	64	39		
	Gross Cost	\$48.902	\$78.483	\$55.951		

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
M119A2 105mm Howitzer Production		A	95695	127	754	70830	90	787	56490	70	807
Basic Issue Items & Initial Spares			5668			6182			7000		
Test / Acceptance			5945			6120			6420		
System Eng / Program Mgt / Fielding			9926			14566			15548		
Digitization Integration (NRE) Modificat						14900			10173		
<b>Total:</b>			<b>117234</b>			<b>112598</b>			<b>95631</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>M119A2 105mm Howitzer Production</b>										
FY 2008	Rock Island Arsenal Rock Island, IL	PWD		Dec 07	Apr 09	127	754			
FY 2009	Rock Island Arsenal Rock Island, IL	PWD		Dec 08	Mar 10	90	787			
FY 2010	Rock Island Arsenal Rock Island, IL	PWD		Dec 09	Dec 10	70	807			

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).





<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M119A2 105mm Howitzer Production																																			
1	FY 08	A	127	127																														0	
1	FY 09	A	90	53	37	10	10	6	6	5																								0	
1	FY 10	A	70	0	70			4	4	5	10	10	10	10	10	7																		0	
Total																																			
					107	10	10	10	10	10	10	10	10	10	10	7																			
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Rock Island Arsenal, Rock Island, IL	12	120	120		1	Initial	0	3	16	19	
							Reorder	0	3	15	18	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M240 Medium Machine Gun (7.62mm) (G13000)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	89416	11050	7932	2010		110408
Gross Cost	553.3	101.5	84.0	32.9		771.7
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	553.3	101.5	84.0	32.9		771.7
Initial Spares						
Total Proc Cost	553.3	101.5	84.0	32.9		771.7
Flyaway U/C						
Weapon System Proc U/C	0.0	0.0	0.0	0.0		0.0

**Description:**  
The M240 class machine guns are available in different configurations for various applications. The M240B Machine Gun is a ground version of the original M240 Machine Gun, 7.62MM Medium Machine Gun class weapon, designed as a coaxial/pintle-mounted weapon for tanks and light armored vehicles. The M240B also includes: a flash suppressor, front sight, and carrying handle for the barrel, buttstock, pistol grip, bipod, heat shield and rear sight assembly. The M240B Machine Gun may also be tripod-mounted and used in conjunction with a traversing and elevating mechanism and mount pintle. The M240H is a variant of this same family of Machine Guns and is employed as the self defensive armament subsystem for the UH-60 BLACK HAWK and CH-47 Chinook Helicopters. The M240H uses the same receiver and barrel as the M240B but has a spade grip trigger assembly. It also has a unique mounting interface and pintle to properly interface with the helicopter platform. Also, included with the system is 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:**  
FY10 Base procurement dollars in the amount of \$32.919 million supports 2,010 M240E6 Light Weight 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.

		FY2008	FY2009	FY2010
Active	Qty	8585	4946	879
	Gross Cost	\$74.099	\$46.808	\$6.748
NG	Qty	2010	1650	629
	Gross Cost	\$21.349	\$23.831	\$14.498
Reserve	Qty	455	1336	502
	Gross Cost	\$6.043	\$13.351	\$11.673

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: M240 Medium Machine Gun (7.62mm) (G13000)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			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	57603	8080	7.1	32641	4308	7.6			
Hardware (Light Weight Version - M240E6)		B	40959	2970	13.8	47493	3624	13.1	28703	2010	14.3
2. Engineering Support			805			1920			2205		
3. Integrated Logistics Support			250			390			250		
4. Engineering Change Proposals			400			180			300		
5. Total Package Fielding			350			512			400		
6. Engineering Studies			561			354			450		
7. New Equipment Training			338			155			150		
8. First Destination Transportation			225			345			161		
9. Testing									300		
<b>Total:</b>			<b>101491</b>			<b>83990</b>			<b>32919</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: M240 Medium Machine Gun (7.62mm) (G13000)							
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
<b>1. M240 Series Weapons</b>										
<b>Hardware (Infantry Version - M240B)</b>										
FY 2008	FN Mfg Inc. Columbia, SC	Option	TACOM RI, Rock Island, IL	Dec 07	Oct 09	8080	7.1			
FY 2009	TBS TBS	C/FFP	TACOM RI, Rock Island, IL	Aug 09	Dec 10	4308	7.6	Yes		
<b>Hardware (Light Weight Version - M240E6)</b>										
FY 2008	FN Mfg Inc. Columbia, SC	SS/FFP	JM&L, LCMC, Picatinny, NJ	Apr 09	Jul 10	2970	13.8			
FY 2009	FN Mfg Inc. Columbia, SC	SS/FFP	JM&L, LCMC, Picatinny, NJ	Jun 09	Jun 11	1530	13.1	Yes		
FY 2009	TBS TBS	C/FFP	JM&L, LCMC, Picatinny, NJ	Sep 10	May 12	2094	13.1	Yes		
FY 2010	TBS TBS	C/FFP	JM&L, LCMC, Picatinny, NJ	Sep 10	Jan 13	2010	14.3	Yes		

REMARKS:

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE M240 Medium Machine Gun (7.62mm) (G13000)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08												Calendar Year 09												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

1. M240 Series Weapons

Hardware (Infantry Version - M240B)

3	FY 07 P	A	12085	0	12085				400	460	170	580	761	424	196	442	455	550	875	775	675	675	675	675	665	552	668	604	551	257
3	FY 08	A	8080	0	8080			A																					8080	
2	FY 09	A	4308	0	4308																						A		4308	
3	FY 08	AF	10	0	10					6										3						1			0	
3	FY 08	FMS	2638	0	2638				30		290	100	114	101		100	200	125			97	100	100	100	100	110	151		820	
3	FY 08	MC	2884	0	2884				218	310	310											100	100	100	100	100	100	100	1146	
3	FY 08	NA	1644	263	1381						105	105	195		216	333	220	200								7			0	

Hardware (Aviation Version - M240H)

3	FY 07	A	818	193	625									350	275															0
3	FY 07	CG	15	0	15																				15				0	
3	FY 07	OTH	13	0	13																				13				0	

Hardware (Light Weight Version - M240E6)

						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
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M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				Prior 1 Oct	After 1 Oct
1	FN Mfg Inc., Columbia, SC	1200	3000	4200	6	1	Initial	6	8	19	27		
							Reorder	3	2	23	25		
2	TBS, TBS	1200	3000	7200	6	2	Initial	6	10	17	27		
3	FN Mfg Inc., Columbia, SC	1200	7000	17532	6		Reorder	3	2	17	19		
4	TBS, TBS	1200	3000	4200	6	3	Initial	6	6	16	22		
							Reorder	3	6	13	19		
						4	Initial	6	11	29	40		
							Reorder	6	3	16	19		
							Initial						
							Reorder						





**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
M240 Medium Machine Gun (7.62mm) (G13000)

Date: May 2009

COST ELEMENTS						Fiscal Year 10														Fiscal Year 11														Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10														Calendar Year 11														
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
1	FY 08	A	2970	0	2970											50	100	150	200	300	350	350	350	350	350	350	70					0		
1	FY 09	A	1530	0	1530																							280	350	350	350	200		
4	FY 09	A	2094	0	2094																											2094		
4	FY 10	A	2010	0	2010																											2010		
Total						23215	708	775	763	800	863	863	875	875	875	925	975	611	475	720	950	950	950	950	950	950	950	950	458	350	350	4304		
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

MFR	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
		Initial		Reorder								
1	FN Mfg Inc., Columbia, SC	1200	3000	4200	6	1	6	8	19	27		
2	TBS, TBS	1200	3000	7200	6	2	6	10	17	27		
3	FN Mfg Inc., Columbia, SC	1200	7000	17532	6	3	3	2	17	19		
4	TBS, TBS	1200	3000	4200	6	3	6	6	16	22		
						4	3	6	13	19		
						4	6	11	29	40		
							6	3	16	19		
							Initial					
							Reorder					







<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature MACHINE GUN, CAL .50 M2 ROLL (GB2000)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	5114	3934	6167	4825		20040
Gross Cost	56.3	57.3	99.6	84.6		297.7
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	56.3	57.3	99.6	84.6		297.7
Initial Spares						
Total Proc Cost	56.3	57.3	99.6	84.6		297.7
Flyaway U/C						
Weapon System Proc U/C	0.0	0.0	0.0	0.0		0.1

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

**Justification:**  
FY10 Base procurement dollars in the amount of \$84.588 million supports the Active Army, National Guard and Reserve by purchasing 4,825 M2 Machine Guns for the Machine Gun Cal .50 M2 Roll system 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.

		FY2008	FY2009	FY2010
Active	QTY	3934	5071	4409
	Gross Cost	\$54.043	\$81.914	\$77.706
National Guard	QTY		934	136
	Gross Cost	\$2.280	\$15.063	\$2.256
Reserve	QTY		162	280
	Gross Costs	.958	\$2.609	\$4.626

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature MACHINE GUN, CAL .50 M-2 FLEX (G10900)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	5114	3934	6167	4825		20040
Gross Cost	56.3	57.3	99.6	84.6		297.7
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	56.3	57.3	99.6	84.6		297.7
Initial Spares						
Total Proc Cost	56.3	57.3	99.6	84.6		297.7
Flyaway U/C						
Weapon System Proc U/C	0.0	0.0	0.0	0.0		0.1

**Description:**  
The M2 machine gun is an air-cooled machinegun 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 and timing must be checked, and if necessary adjusted, prior to firing. Quick change barrel (QCB) designs are being tested and will be incorporated into production buys starting in FY2010 which will eliminate the need for adjusting headspace and timing at the operator level. This weapon can be used effectively against 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. Besides the QCB Kits, this line also funds other accessories such as the M3 Tripod, XM205 Lightweight tripod (New Start), and the MK93 MOD 2 mount.

**Justification:**  
FY10 Base procurement dollars in the amount of \$84.588 million supports the Active Army, National Guard and Reserve by purchasing 4,825 M2 Machine Guns for the Machine Gun Cal .50 M2 Flex system 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.

		FY2008	FY2009	FY2010
Active	QTY	3548	5097	4409
	Gross Cost	\$51.700	\$90.786	\$77.288
National Guard	QTY	386	912	136
	Gross Cost	\$5.581	\$6.200	\$2.400
Reserve	QTY		158	280
	Gross Costs		\$2.600	\$4.900

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: MACHINE GUN, CAL .50 M-2 FLEX (G10900)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			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	55720	3934	14.2	89422	6167	15.0	72383	4825	15.0
MK93 Mounts						8930	4612	1.9	10350	5425	1.9
XM205 Lightweight Tripod									612	180	3.4
2. Production Engineering			663			400			443		
3. Integrated Logistics Support			75			100			150		
4. Production Verification Test / FAT			323								
5. Fielding			300			50			100		
6. First Destination Transportation			200			300			300		
7. Engineering Studies						384			250		
<b>Total:</b>			<b>57281</b>			<b>99586</b>			<b>84588</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: MACHINE GUN, CAL .50 M-2 FLEX (G10900)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>M2 Systems</b>										
FY 2008	Gen Dyn-Armament & Tech Prod Burlington, VT	SS/FFP	TACOM-RI, Rock Island IL	Sep 08	Sep 09	760	14.2			
FY 2008	Gen Dyn-Armament & Tech Prod Burlington, VT	SS/FFP	TACOM-RI, Rock Island IL	Apr 09	Dec 09	1001	14.2			
FY 2008	TBS	C/Other*	TACOM-RI, Rock Island IL	Apr 09	Jul 10	1738	14.2			
FY 2008	Small Business, TBS	C/Other*	TACOM-RI, Rock Island IL	Jun 09	Sep 10	435	14.2			
FY 2009	Gen Dyn-Armament & Tech Prod Burlington, VT	SS/FFP	TACOM-RI, Rock Island IL	Apr 09	Mar 10	1413	15.0	Yes		
FY 2009	TBS	Option	TACOM-RI, Rock Island IL	Jun 09	Jan 11	4754	15.0	Yes		
FY 2010	TBS	Option	TACOM-RI, Rock Island IL	Jan 10	Jan 12	4825	15.0	Yes		

REMARKS: \* Portion of the FY 2008 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.

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE MACHINE GUN, CAL .50 M-2 FLEX (G10900)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08												Calendar Year 09												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M2 Systems																																			
1	FY 07 P	A	2691	0	2691							100	90			150			350	210			286	39	259			183	184	184	184	184	184	104	
1	FY 08	A	1761	0	1761														A									A						113	1648
2	FY 08	A	1738	0	1738																							A							1738
3	FY 08	A	435	0	435																										A				435
2	FY 09	A	4754	0	4754																									A					4754
1	FY 09	A	1413	0	1413																							A							1413
2	FY 10	A	4825	0	4825																														4825
1	FY 07 P	AF	204	0	204																		15	20	30	30	15	35	29	20	10			0	
2	FY 08	AF	43	0	43																								10	10	10	13			0
2	FY 09	AF	10	0	10																														10
2	FY 10	AF	10	0	10																														10
1	FY 07 P	AR	80	0	80														25				20	20	15									0	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	7200		1	Initial	3	3	11	14	
							Reorder	3	1	13	14	
2	TBS, TBS	300	4800	7800		2	Initial	3	17	16	33	
							Reorder	3	3	25	28	
3	Small Business, TBS, TBS	300	600	1500		3	Initial	3	20	16	36	
							Reorder	3	3	18	21	
							Initial					
							Reorder					
							Initial					
							Reorder					







<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE MACHINE GUN, CAL .50 M-2 FLEX (G10900)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M2 Systems																																	
1	FY 07 P	A	2691	2587	104																												0
1	FY 08	A	1761	113	1648	325	325	325	325	325	23																						0
2	FY 08	A	1738	0	1738									71	295	288	330	350	404														0
3	FY 08	A	435	0	435											15	15	40	31	40	37	75	75	73	34							0	
2	FY 09	A	4754	0	4754																335	390	400	400	400	425	425	425	425		1129		
1	FY 09	A	1413	0	1413							302	325	325	325	136																	0
2	FY 10	A	4825	0	4825				A																								4825
1	FY 07 P	AF	204	204																													0
2	FY 08	AF	43	43																													0
2	FY 09	AF	10	0	10													5	5														0
2	FY 10	AF	10	0	10																												10
1	FY 07 P	AR	80	80																													0
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	Initial	3			3	11	14			
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	7200		1	Initial	3	3	11	14	
						1	Reorder	3	1	13	14	
2	TBS, TBS	300	4800	7800		2	Initial	3	17	16	33	
						2	Reorder	3	3	25	28	
3	Small Business, TBS, TBS	300	600	1500		3	Initial	3	20	16	36	
						3	Reorder	3	3	18	21	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE MACHINE GUN, CAL .50 M-2 FLEX (G10900)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later									
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11																					
						O C T	N O V	D E C	J A N	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										
2	FY 08	AR	17	0	17										5	5	7																						0
3	FY 08	AR	4	0	4																																		0
1	FY 07 P	FMS	67	67																																			0
2	FY 08	FMS	11	0	11																																	0	
3	FY 08	FMS	5	0	5																																	0	
2	FY 09	FMS	1500	0	1500																																	1280	
2	FY 10	FMS	1500	0	1500																																	1500	
1	FY 07 P	MC	972	972																																		0	
2	FY 09	MC	110	0	110																																	0	
2	FY 10	MC	110	0	110																																	110	
1	FY 07 P	NA	1071	1071																																		0	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	7200		1	Initial	3	3	11	14	
							Reorder	3	1	13	14	
2	TBS, TBS	300	4800	7800		2	Initial	3	17	16	33	
3	Small Business, TBS, TBS	300	600	1500			Reorder	3	3	25	28	
						3	Initial	3	20	16	36	
							Reorder	3	3	18	21	
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>FY 12 / 13 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE MACHINE GUN, CAL .50 M-2 FLEX (G10900)	Date: May 2009
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COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 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	

M2 Systems																															
1	FY 07 P	A	2691	2691																											0
1	FY 08	A	1761	1761																											0
2	FY 08	A	1738	1738																											0
3	FY 08	A	435	435																											0
2	FY 09	A	4754	3625	1129	400	400	329																							0
1	FY 09	A	1413	1413																											0
2	FY 10	A	4825	0	4825				430	430	430	430	430	430	430	430	440	450	450	45											0
1	FY 07 P	AF	204	204																											0
2	FY 08	AF	43	43																											0
2	FY 09	AF	10	10																											0
2	FY 10	AF	10	0	10						10																				0
1	FY 07 P	AR	80	80																											0
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	2	3			Initial	Reorder	Initial	Reorder	
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	7200		1	3	3	11	14	
2	TBS, TBS	300	4800	7800		2	3	17	16	33	
3	Small Business, TBS, TBS	300	600	1500		3	3	3	25	28	
						3	3	20	16	36	
						3	3	3	18	21	

**FY 12 / 13 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
MACHINE GUN, CAL .50 M-2 FLEX (G10900)

Date: May 2009

COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 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	
2	FY 08	AR	17	17																									0	
3	FY 08	AR	4	4																									0	
1	FY 07 P	FMS	67	67																									0	
2	FY 08	FMS	11	11																									0	
3	FY 08	FMS	5	5																									0	
2	FY 09	FMS	1500	220	1280	120	150	230	100	100	100	60	60	60	100	100	100												0	
2	FY 10	FMS	1500	0	1500													100	100	555	600	145							0	
1	FY 07 P	MC	972	972																									0	
2	FY 09	MC	110	110																									0	
2	FY 10	MC	110	0	110	20	20	20	20	20	10																		0	
1	FY 07 P	NA	1071	1071																									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	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	7200		1	Initial	3	3	11	14	
							Reorder	3	1	13	14	
2	TBS, TBS	300	4800	7800		2	Initial	3	17	16	33	
							Reorder	3	3	25	28	
3	Small Business, TBS, TBS	300	600	1500		3	Initial	3	20	16	36	
							Reorder	3	3	18	21	
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)
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Program Elements for Code B Items: 0604601A-033	Code: B	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost				1.0		1.0
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1				1.0		1.0
Initial Spares						
Total Proc Cost				1.0		1.0
Flyaway U/C						
Weapon System Proc U/C						

**Description:**  
The Lightweight .50 Caliber (Cal) Machine Gun (MG) will meet the US Army requirement for a Lightweight Enhanced .50 Caliber MG. This weapon will enable the Soldier to effectively suppress and incapacitate exposed personnel targets out to 2,000 meters and provide the capability to defeat lightly armored vehicles out to 1,500 meters. Successful development of the new Lightweight .50 Cal MG will increase the warfighter's lethality while significantly reducing tactical load and supportability costs. By replacing the 75-year-old M2 Machine Gun, the Army achieves significant reductions in weight and recoil force. The new Lightweight .50 Cal MG is 50% of the weight of the M2 with a recoil reduction of 60%. Safety will be improved by eliminating manual adjustment of headspace and timing.

**Justification:**  
FY10 Base procurement dollars in the amount of \$.977 million supports the Active Army and will procure materials for barrels and receiver housings in support of Lightweight .50 Caliber Machine Gun system.



<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		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. Materials Barrels/ Receiver Housing									500	400	1.0
2. Engineering Support									477		
3. Integrated Logistics Support											
4. New Equipment Training											
5. Total Package Fielding											
6. First Destination Transportation											
<b>Total:</b>									<b>977</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)							
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
<b>1. Materials Barrels/ Receiver Housing</b> FY 2010	Gen Dyn and Tech Prod (GDATP) Burlington, VT	SS/FFP	JM&L,LCMC,Picatiny, NJ	Mar 10	Sep 10	400	1.0	NO	Jan 10	Jan 10

REMARKS: The Prime Manufacturer (GDATP) is purchasing materials to fabricate the Barrels/Receiver in house

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature M249 SAW Machine Gun (5.56mm) (G12900)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	101527	10870	5150	1550		119097
Gross Cost	305.1	45.9	22.1	7.5		380.6
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc Pl	305.1	45.9	22.1	7.5		380.6
Initial Spares						
Total Proc Cost	305.1	45.9	22.1	7.5		380.6
Flyaway U/C						
Weapon System Proc U/C	0.0					0.0
<b>Description:</b> 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 M16A1 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.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$7.535 million supports the Active Army, National Guard and the Army Reserve by purchasing 1,550 M249 Squad Automatic Weapon (SAW) machine guns.						
		FY2008	FY2009	FY2010		
Active	QTY	4324	2107	350		
	Gross Cost	\$18.319	\$9.069	\$1.635		
NG	QTY	3778	1843	547		
	Gross Cost	\$15.900	\$7.900	\$2.700		
Reserve	QTY	2768	1200	653		
	Gross Cost	\$11.700	\$5.100	\$3.200		

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: M249 SAW Machine Gun (5.56mm) (G12900)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. M249 SAW Weapon		A	40832	10870	3.8	18354	5150	3.6	5657	1550	3.6
2. Engineering Support			3827			2667			1438		
3. Integrated Logistics Support (ILS)			400			250			200		
4. Total Package Fielding (TPF)			600			250			200		
5. First Destination Transportation (FDT)			260			150			40		
6. First Article Testing (FAT)						398					
<b>Total:</b>			<b>45919</b>			<b>22069</b>			<b>7535</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: M249 SAW Machine Gun (5.56mm) (G12900)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. M249 SAW Weapon</b>										
FY 2008	FN Mfg Inc Columbia SC	Option	JML LCMC,Picatinny,NJ	Mar 08	Dec 08	10870	3.8			
FY 2009	TBS TBS	C/FFP	JML LCMC,Picatinny,NJ	Apr 09	Jan 10	5150	3.6	Yes		
FY 2010	TBS TBS	Option	JML LCMC,Picatinny,NJ	Mar 10	Dec 10	1550	3.6	Yes		

REMARKS:

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE M249 SAW Machine Gun (5.56mm) (G12900)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08												Calendar Year 09												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

1. M249 SAW Weapon																															
1	FY 07 & P	A	14240	3460	10780	750	750	750	750	750	497	750	750	750	864	810	810	810	809	180											0
1	FY 08	A	10870	0	10870						A									610	600	660	1000	1000	1000	1000	1000	1000	1000	2000	
2	FY 09	A	5150	0	5150																	A								5150	
2	FY 10	A	1550	0	1550																									1550	
1	FY 08	FMS	1130	0	1130															270	460	400								0	
2	FY 09	FMS	5150	406	4744																									4744	
Total						34224	750	750	750	750	750	497	750	750	750	864	810	810	810	809	1060	1060	1060	1000	1000	1000	1000	1000	1000	1000	13444
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX	1			2	Prior 1 Oct				After 1 Oct
									Initial				Reorder
1	FN Mfg Inc, Columbia SC	1500	4000	12720	18	1	Initial	3	5	10	15		
							Reorder	3	4	10	14		
2	TBS, TBS	1500	2600	10000	18	2	Initial	3	6	10	16		
							Reorder	3	5	10	15		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE M249 SAW Machine Gun (5.56mm) (G12900)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10														Fiscal Year 11										Later					
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10														Calendar Year 11															
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
1. M249 SAW Weapon																																			
1	FY 07 & P	A	14240	14240																														0	
1	FY 08	A	10870	8870	2000	1000	1000																											0	
2	FY 09	A	5150	0	5150				425	425	425	425	425	425	425	425	425	425	425	475															0
2	FY 10	A	1550	0	1550						A									350	750	450												0	
1	FY 08	FMS	1130	1130																														0	
2	FY 09	FMS	5150	406	4744			400	400	400	400	400	400	400	400	400	400	400	344															0	
Total																																			
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX	1			2	Prior 1 Oct				After 1 Oct
									Initial				Reorder
1	FN Mfg Inc, Columbia SC	1500	4000	12720	18	1	Initial	3	5	10	15		
							Reorder	3	4	10	14		
2	TBS, TBS	1500	2600	10000	18	2	Initial	3	6	10	16		
							Reorder	3	5	10	15		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature MK-19 Grenade Machine Gun (40mm) (G13400)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	26929	4098	785	349		32161
Gross Cost	455.2	64.4	17.3	7.7		544.6
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	455.2	64.4	17.3	7.7		544.6
Initial Spares						
Total Proc Cost	455.2	64.4	17.3	7.7		544.6
Flyaway U/C						
Weapon System Proc U/C	0.0	0.0	0.0	0.0		0.1
<b>Description:</b> 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 or XM205 Tripod Mount. Also provides other ancillary equipment such as the M3 Tripod and improved sighting systems.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$7.700 million supports the Active Army, National Guard and Army Reserve by purchasing 349 MK-19 Grenade Machine Guns to meet urgent requirements for Operation Iraqi Freedom and Operation Enduring Freedom and the Army's Modular Force transformation.						
		FY2008	FY2009			
Active	QTY	4098	293			
	Gross Cost	\$58.881	\$6.320			
National Guard	QTY		370			
	Gross Cost	\$3.704	\$8.236			
Reserve	QTY		122			
	Gross Cost	\$1.828	\$2.721			



<b>WTCV Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		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		A	54692	4098	13.3	14498	785	18.5	4876	349	14.0
2. GFM-Mounts			7840			2064			1352		
3. Engineering Support			1129			565			708		
4. Integrated Logistics Support (ILS)			18						180		
5. Fielding						150			50		
6. First Destination Transportation			144						143		
7. Arms Rack			276						391		
8. New Equipment Training (NET)			314								
<b>Total:</b>			<b>64413</b>			<b>17277</b>			<b>7700</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: MK-19 Grenade Machine Gun (40mm) (G13400)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. MK-19 Hardware</b>										
FY 2008	Gen Dyn Arm Tech Prod Saco, Maine	C/IDIQ	JML LCMC,Picatinny,NJ	Sep 08	Apr 10	2615	13.3			
FY 2008	Alliant Tech Systems Mesa, AZ	C/IDIQ	JML LCMC,Picatinny,NJ	Sep 08	Apr 10	1483	13.3			
FY 2009	Gen Dyn Arm Tech Prod Saco, Maine	C/IDIQ	JML LCMC,Picatinny,NJ	Mar 09	Apr 11	785	18.5	YES		
FY 2010	TBS TBS	C/IDIQ	JML LCMC,Picatinny,NJ	Mar 10	Apr 12	349	14.0	YES		

REMARKS: FY09-FY10 quantities to be awarded will be competed on a yearly basis between GD and ATK.

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE MK-19 Grenade Machine Gun (40mm) (G13400)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08												Calendar Year 09												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

1. MK-19 Hardware																														
1	FY 07 P	A	4107	243	3864	110	110	110	110	110	110	110	110	120	120	120	50	50	50	50	50	50	51	50	150	207	207	207	207	1245
1	FY 08	A	2615	0	2615													A											2615	
2	FY 08	A	1483	0	1483													A											1483	
3	FY 09	A	785	0	785																	A							785	
3	FY 10	A	349	0	349																								349	
2	FY 08	FMS	585	0	585																								585	
2	FY 08	MC	372	0	372																								372	
2	FY 08	NA	527	0	527																								527	
2	FY 08	NG	111	0	111																								111	
Total						10691	110	110	110	110	110	110	110	120	120	120	50	50	50	50	50	50	51	50	150	207	207	207	207	8072
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	Gen Dyn Arm Tech Prod, Saco, Maine	600	2400	3600	18	1	4	5	26	31	
2	Alliant Tech Systems, Mesa, AZ	600	2880	3960	18	2	4	5	26	31	
3	TBS, TBS	600	2880	3960	18	3	4	5	26	31	
							4	5	26	31	
							4	5	26	31	

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE MK-19 Grenade Machine Gun (40mm) (G13400)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

1. MK-19 Hardware																														
1	FY 07 P	A	4107	2862	1245	207	207	207	207	207	210																	0		
1	FY 08	A	2615	0	2615							218	218	218	218	218	218	218	218	218	218	218	218	218	217				0	
2	FY 08	A	1483	0	1483							60	60	100	140	140	140	140	140	140	140	140	140	143				0		
3	FY 09	A	785	0	785																			30	30	30	30	30	605	
3	FY 10	A	349	0	349					A																		349		
2	FY 08	FMS	585	0	585													25	25	27	25	25	50	55	50	52	75	75	101	
2	FY 08	MC	372	0	372																							372		
2	FY 08	NA	527	0	527															43	37	38	25	25	45	50	25	55	184	
2	FY 08	NG	111	0	111															36	38	37						0		
Total					8072	207	207	207	207	207	210	278	278	318	358	358	358	358	383	383	464	458	460	105	110	125	132	130	160	1611
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	Gen Dyn Arm Tech Prod, Saco, Maine	600	2400	3600	18	1	4	5	26	31	
2	Alliant Tech Systems, Mesa, AZ	600	2880	3960	18	2	4	5	26	31	
3	TBS, TBS	600	2880	3960	18	3	4	5	26	31	
							4	5	26	31	
							4	5	26	31	
							4	5	26	31	
							4	5	26	31	

<b>FY 12 / 13 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE MK-19 Grenade Machine Gun (40mm) (G13400)	Date: May 2009
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COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 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	

1. MK-19 Hardware																													
1	FY 07 P	A	4107	4107																									0
1	FY 08	A	2615	2615																									0
2	FY 08	A	1483	1483																									0
3	FY 09	A	785	180	605	80	56	100	180	100	89																		0
3	FY 10	A	349	0	349							123	80	100	46														0
2	FY 08	FMS	585	484	101	101																							0
2	FY 08	MC	372	0	372			28	100	100	144																		0
2	FY 08	NA	527	343	184	30	80	74																					0
2	FY 08	NG	111	111																									0
Total					1611	211	136	202	280	200	233	123	80	100	46														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX	1			2	3				Prior 1 Oct	After 1 Oct
													Initial	Reorder
1	Gen Dyn Arm Tech Prod, Saco, Maine	600	2400	3600	18	1	4	5	26	31				
2	Alliant Tech Systems, Mesa, AZ	600	2880	3960	18	2	4	5	26	31				
3	TBS, TBS	600	2880	3960	18	3	4	5	26	31				
							4	5	26	31				

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature Mortar Systems (G02200)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	1039	695	351	315		2400
Gross Cost	309.8	53.6	17.0	14.8		395.2
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	309.8	53.6	17.0	14.8		395.2
Initial Spares						
Total Proc Cost	309.8	53.6	17.0	14.8		395.2
Flyaway U/C						
Weapon System Proc U/C	0.1	0.1	0.1	0.1		0.4
<b>Description:</b> Mortar Systems funding supports the production of M224, 60mm; M252A1, 81mm; and M120/M121, 120mm Mortar Weapon Systems. Funding also includes the production of associated equipment to include procurement of the M326 Quick Stow and M1101 trailer which are used with the M120 120mm towed mortar system. The Quick Stow will enable rapid emplacement and displacement of the M120, from the M1101 Trailer.						
<b>Justification:</b> FY10 Base funding in the amount of \$14.779 million will procure 315 M224A1 60mm Light Weight Mortar Weapon Systems to Active Force Interim Brigade Combat Teams.						
		FY2008	FY2009	FY2010		
Active	QTY	667	93	155		
	Gross Cost	\$51.499	\$5.784	\$10.089		
National Guard	QTY	28	258	160		
	Gross Cost	\$2.120	\$11.191	\$4.690		

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: Mortar Systems (G02200)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>HARDWARE</b>											
60mm Cannon Tubes			6555	437	15	4030	310	13	4095	315	13
60mm Baseplates			3376	422	8	2480	310	8	2520	315	8
60mm Bipods			2185	437	5	1550	310	5	2520	315	8
60mm Basic Issue / Direct Support Tools			2622	437	6	1550	310	5			
60mm Direct Lay Sight									1575	315	5
81mm Cannon Tubes			2525	135	19						
81mm Baseplates			1980	660	3						
81mm Bipods			4620	660	7						
81mm Basic Issue / Direct Support Tools			1650	165	10						
120mm Cannon Tubes (M120)			2337	123	19	779	41	19			
120mm Baseplates			2916	243	12	492	41	12			
120mm Bipods			1107	123	9	450	50	9			
120mm Basic Issue/ Direct Support Tools			1668	139	12	492	41	12			
M326 Quick Stow			2871	87	33	572	26	22			
M67 Sight Units			2270	454	5	300	60	5			
M1101 Trailers			855	95	9	234	26	9			
<b>Subtotal Hardware</b>			<b>39537</b>			<b>12929</b>			<b>10710</b>		
<b>PRODUCTION SUPPORT</b>											
Production Engineering			3409			1520			1837		
Proof and Acceptance			1763			247			350		
Government ILS			755			218			222		
Staging			491			208			400		
Operations and New Equipment Training			3246			1517			750		
Installation			2500								
<b>Subtotal Production Support</b>			<b>12164</b>			<b>3710</b>			<b>3559</b>		
<b>NON-RECURRING COSTS</b>											
First Article Test			1418			336			510		
Manuals			500								
<b>Subtotal Non-recurring Costs</b>			<b>1918</b>			<b>336</b>			<b>510</b>		
<b>TOTAL</b>			<b>53619</b>			<b>16975</b>			<b>14779</b>		

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: Mortar Systems (G02200)	Weapon System Type:	Date: May 2009
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WTCV Cost Elements	ID	FY 08			FY 09			FY 10		
	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
<b>Total:</b>		<b>53619</b>			<b>16975</b>			<b>14779</b>		



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: Mortar Systems (G02200)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>60mm Cannon Tubes</b>										
FY 2008	Dynamic Flow Form Billerica, MA	SS/Option	Quantico, IA	Apr 09	Apr 10	437	15	Y		
FY 2009	Dynamic Flow Form Billerica, MA	SS/Option	Quantico, IA	Apr 09	Oct 10	310	13	Y		
FY 2010	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Mar 10	Mar 11	315	13	Y		
<b>60mm Baseplates</b>										
FY 2008	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Sep 08	Sep 09	422	8	Y		
FY 2009	Arlington Machine Tool Fairfield, NJ	SS/Option	Picatinny Arsenal, NJ	Apr 09	Apr 10	310	8	Y		
FY 2010	Arlington Machine Tool Fairfield, NJ	SS/Option	Picatinny Arsenal, NJ	Mar 10	Mar 11	315	8	Y		
<b>60mm Bipods</b>										
FY 2008	MaTech Salisbury, MD	SS/Option	Picatinny Arsenal, NJ	Sep 08	Sep 09	437	5	Y		
FY 2009	MaTech Salisbury, MD	SS/Option	Picatinny Arsenal, NJ	May 09	May 10	310	5	Y		
FY 2010	MaTech Salisbury, MD	SS/Option	Picatinny Arsenal, NJ	Mar 10	Mar 11	315	8	Y		
<b>60mm Basic Issue / Direct Support Tools</b>										
FY 2008	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Apr 08	Oct 09	437	6			
FY 2009	To Be Selected TBS	C/FP	Picatinny Arsenal, NJ	May 09	Nov 09	310	5	Y		
<b>60mm Direct Lay Sight</b>										
FY 2010	To Be Selected TBS	C/FP	Picatinny Arsenal, NJ	Mar 10	Mar 11	315	5	Y		
<b>81mm Cannon Tubes</b>										
FY 2008	Watervliet Arsenal Watervliet, NY	SS/Option	Rock Island, IL	Sep 08	Sep 09	135	19	Y		
<b>81mm Baseplates</b>										
FY 2008	Arlington Machine Tool	SS/Option	Picatinny Arsenal, NJ	Aug 08	Aug 09	660	3	Y		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: Mortar Systems (G02200)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>81mm Bipods</b>	Fairfield, NJ									
FY 2008	MaTech Salisbury, MD	SS/Option	Picatinny Arsenal, NJ	Sep 08	Sep 09	660	7	Y		
<b>81mm Basic Issue / Direct Support Tools</b>										
FY 2008	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Apr 08	Oct 09	165	10	Y		
<b>120mm Cannon Tubes (M120)</b>										
FY 2008	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Sep 08	Sep 09	123	19	Y		
FY 2009	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Mar 09	Mar 10	41	19	Y		
<b>120mm Baseplates</b>										
FY 2008	General Dynamics, OTS St. Petersburg, Fla.	SS/Option	Picatinny Arsenal, NJ	May 08	May 09	243	12	Y		
FY 2009	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Apr 09	Mar 10	41	12	Y		
<b>120mm Bipods</b>										
FY 2008	Connectec Irvine, CA	SS/Option	Rock Island, IL	May 08	May 09	123	9	Y		
FY 2009	General Manufacturing Bethel Park, PA	SS/Option	Rock Island, IL	Apr 09	Apr 10	50	9	Y		
<b>120mm Basic Issue/ Direct Support Tools</b>										
FY 2008	Savit Corporation Parsippany, NJ	SS/Option	Picatinny Arsenal, NJ	Apr 08	Oct 09	139	12	Y		
FY 2009	To Be Selected TBS	SS/Option	Picatinny Arsenal, NJ	May 09	Nov 09	41	12	Y		
<b>M326 Quick Stow</b>										
FY 2008	BAE Systems Minneapolis, MN	SS/Option	Picatinny Arsenal, NJ	Sep 08	Sep 09	87	33	Y		
FY 2009	BAE Systems Minneapolis, MN	SS/Option	Picatinny Arsenal, NJ	May 09	May 10	26	22	Y		
<b>M67 Sight Units</b>										
FY 2008	ELCAN Midland, Ontario, Canada	SS/Option	Rock Island, IL	Mar 08	Mar 09	454	5	Y		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: Mortar Systems (G02200)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2009	ELCAN Midland, Ontario, Canada	SS/Option	Rock Island, IL	Apr 09	Apr 10	60	5	Y		
<b>M1101 Trailers</b>										
FY 2008	Silver Eagle Manufacturing Portland, OR	SS/Option	Picatinny Arsenal, NJ	Sep 08	Sep 09	95	9	Y		
FY 2009	Silver Eagle Manufacturing Portland, OR	SS/Option	Picatinny Arsenal, NJ	Feb 09	Feb 10	26	9	Y		

REMARKS:

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
Mortar Systems (G02200)

Date: May 2009

COST ELEMENTS						Fiscal Year 08										Fiscal Year 09										Later																									
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08										Calendar Year 09																																			
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP																					
60mm Cannon Tubes																																																			
1	FY 08	A	437	0	437																						A					437																			
1	FY 09	A	310	0	310																						A					310																			
2	FY 10	A	315	0	315																											315																			
81mm Cannon Tubes																																																			
2	FY 08	A	135	0	135														A													50	85																		
120mm Cannon Tubes (M120)																																																			
2	FY 08	A	123	0	123													A														20	103																		
2	FY 09	A	41	0	41																						A						41																		
Total																																																			
					1361																											70	1291																		
<table border="1"> <tr> <td>OCT</td><td>NOV</td><td>DEC</td><td>JAN</td><td>FEB</td><td>MAR</td><td>APR</td><td>MAY</td><td>JUN</td><td>JUL</td><td>AUG</td><td>SEP</td><td>OCT</td><td>NOV</td><td>DEC</td><td>JAN</td><td>FEB</td><td>MAR</td><td>APR</td><td>MAY</td><td>JUN</td><td>JUL</td><td>AUG</td><td>SEP</td> </tr> </table>																												OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP																												

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
								1				
1	Dynamic Flow Form, Billerica, MA	10	150	200		1	Initial	6	19	12	31	
							Reorder	3	7	18	25	
2	Watervliet Arsenal, Watervliet, NY	10	95	165		2	Initial	6	12	12	24	
							Reorder	3	6	12	18	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Mortar Systems (G02200)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	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	
60mm Cannon Tubes																														
1	FY 08	A	437	0	437																									0
1	FY 09	A	310	0	310																									0
2	FY 10	A	315	0	315																									0
81mm Cannon Tubes																														
2	FY 08	A	135	50	85	50	35																							0
120mm Cannon Tubes (M120)																														
2	FY 08	A	123	20	103	40	40	23																						0
2	FY 09	A	41	0	41																									0
Total																														
					1291	90	75	23																						
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	2	3			4	5	6	7		8
1	Dynamic Flow Form, Billerica, MA	10	150	200		1	Initial	6	19	12	31	
							Reorder	3	7	18	25	
2	Watervliet Arsenal, Watervliet, NY	10	95	165		2	Initial	6	12	12	24	
							Reorder	3	6	12	18	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature M107, CAL. 50, SNIPER RIFLE (G01500)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	3396					3396
Gross Cost	58.5	0.8	0.2	0.2		59.7
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	58.5	0.8	0.2	0.2		59.7
Initial Spares						
Total Proc Cost	58.5	0.8	0.2	0.2		59.7
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> 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.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$.224 million supports the Active Army by providing engineering support.						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)			
Program Elements for Code B Items: 0604601A - Infantry Support Weapons		Code: B	Other Related Program Elements:				
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog	
Proc Qty	1200	8457	9342	8383		27382	
Gross Cost	4.5	30.2	31.7	29.9		96.2	
Less PY Adv Proc							
Plus CY Adv Proc							
Net Proc P1	4.5	30.2	31.7	29.9		96.2	
Initial Spares							
Total Proc Cost	4.5	30.2	31.7	29.9		96.2	
Flyaway U/C							
Weapon System Proc U/C	0.0	0.0	0.0	0.0		0.0	
<b>Description:</b> The M320 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 incorporates an integral Day/Night sighting system and provides a separate laser range finder to assist the gunner in increasing first round accuracy.							
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$16.023 million supports the Active Army, National Guard and Army Reserves by purchasing 4,740 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 wider range of ammunition as compared to the 35 year old M203 Grenade Launcher.  FY10 Overseas Contingency Operations (OCO) procurement dollars in the amount of \$13.900 million supports the Active Army, National Guard and Army Reserves by purchasing 3,643 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 wider range of ammunition as compared to the 35 year old M203 Grenade Launcher.							

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			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. M320 Grenade Launcher		B	13056	8457	1.5	15867	9342	1.7	14813	8383	1.7
2. Day Night Sight			11619	8457	1.4	14013	9342	1.5	12761	8383	1.5
3. Laser Range Finder						716	2272	0.3	1297	4117	0.3
4. Tool Set			430	422	1.0	489	467	1.0	451	419	1.1
5. Racks			810	1085	0.7	349	467	0.7	321	419	0.8
6. Engineering Support			1956			57			70		
7. Integrated Logistics Support (ILS)			696			57			70		
8. Fielding			879			57			70		
9. New Equipment Training (NET)			721			57			70		
<b>Total:</b>			<b>30167</b>			<b>31662</b>			<b>29923</b>		



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. M320 Grenade Launcher</b>										
FY 2008	Heckler & Koch Defense, Inc Ashburn, VA	Option	JM&L LCMC, Picatinny, NJ	Feb 09	May 09	8457	1.5			
FY 2009	Heckler & Koch Defense, Inc Ashburn, VA	SS/FFP	JM&L LCMC, Picatinny, NJ	Aug 09	Nov 09	9342	1.7	Yes		
FY 2010	Heckler & Koch Defense, Inc Ashburn, VA	Option	JM&L LCMC, Picatinny, NJ	Jan 10	Apr 10	8383	1.7	Yes		
<b>2. Day Night Sight</b>										
FY 2008	Insight Technology Inc Londonderry, NH	SS/FFP	TACOM- Rock Island	Feb 09	May 09	8457	1.4			
FY 2009	Insight Technology Inc Londonderry, NH	SS/FFP	TACOM- Rock Island	Aug 09	Nov 09	9342	1.5			
FY 2010	Insight Technology Inc Londonderry, NH	Option	TACOM- Rock Island	Jan 10	Apr 10	8383	1.5			
<b>3. Laser Range Finder</b>										
FY 2009	Bushnell Sports Optics Overland Park, KS	SS/FPP	TACOM-Rock Island	Aug 09	Nov 09	2272	0.3			
FY 2010	Bushnell Sports Optics Overland Park, KS	Option	TACOM-Rock Island	Jan 10	Apr 10	4117	0.3			

REMARKS: Firm Fixed Price options to an existing Soldier Enhancement Program Research & Development contract. Beginning in FY2011, the Day Night Sight and Laser Range Finder are purchased separately.

Comment: Laser Range Finder also procured as a Rapid Fielding Initiative item under Small Arms Equipment.

FY 08 / 09 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE  
XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)

Date: May 2009

COST ELEMENTS					Fiscal Year 08										Fiscal Year 09										Later								
MFR	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08										Calendar Year 09																	
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG	SEP			
1. M320 Grenade Launcher																																	
1	FY 07	A	1200	0	1200																A				300	600	300						0
1	FY 08	A	8457	960	7497																						1000	1300	1300	1300	1300	1297	
1	FY 09	A	9342	0	9342																									A		9342	
1	FY 10	A	8383	0	8383																											8383	
Total					26422																						300	600	1300	1300	1300	1300	19022
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Heckler & Koch Defense, Inc, Ashburn, VA	3600	9000	18000	6	1	Initial	3	5	8	13	
							Reorder	1	3	4	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	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. M320 Grenade Launcher																																			
1	FY 07	A	1200	1200																														0	
1	FY 08	A	8457	7160	1297	1297																												0	
1	FY 09	A	9342	0	9342		1300	1300	1300	1300	1300	1000	1000	842																				0	
1	FY 10	A	8383	0	8383					A		300	300	458	1300	1300	1300	1000	1000	725	700													0	
Total																																			
					19022	1297	1300	1300	1300	1300	1300	1300	1300	1300	1300	1000	1000	725	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 F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Heckler & Koch Defense, Inc, Ashburn, VA	3600	9000	18000	6	1	Initial	3	5	8	13	
							Reorder	1	3	4	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)			
Program Elements for Code B Items:		Code: A		Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog	
Proc Qty	1273	801	439	448		2961	
Gross Cost	15.5	10.4	7.4	6.2		39.5	
Less PY Adv Proc							
Plus CY Adv Proc							
Net Proc P1	15.5	10.4	7.4	6.2		39.5	
Initial Spares							
Total Proc Cost	15.5	10.4	7.4	6.2		39.5	
Flyaway U/C							
Weapon System Proc U/C	0.0	0.0	0.0	0.0		0.1	
<b>Description:</b> 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.							
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$6.223 million supports the Active Army by purchasing 448 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.							

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		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	7519	801	9.4	4685	439	10.7	4928	448	11.0
Anti Reflection Devices (ARD)		A	162	763	0.2	112	508	0.2	100	448	0.2
Spotting Scope Items		A	728	763	1.0	577	508	1.1	470	448	1.0
2. Shipping (GBL)			60			52			45		
3. Engineering Support			1019			1241			430		
4. STRICOM (MILES)						282					
5. Testing						57			60		
6. Integrated Logistics Support (ILS)			137			104			50		
7. New Equipment Training (NET)			606			156			88		
8. Total Package Fielding (TPF)			158			119			52		
<b>Total:</b>			<b>10389</b>			<b>7385</b>			<b>6223</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (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
<b>1. Hardware</b>										
<b>SASS Weapons</b>										
FY 2008	Knights Armaments Co. Titusville, FL	Option	JML LCMC, Picatinny,NJ	Sep 08	Dec 08	801	9.4			
FY 2009	Knights Armaments Co. Titusville, FL	Option	JML LCMC, Picatinny,NJ	Mar 09	Nov 09	439	10.7	YES		
FY 2010	Knights Armaments Co. Titusville, FL	Option	JML LCMC, Picatinny,NJ	Jan 10	May 10	448	11.0	YES		
<b>Anti Reflection Devices (ARD)</b>										
FY 2008	L3 Garland, TX	C/FFP	TACOM-RI,Rock Island, IL	Jun 08	Sep 08	763	0.2			
FY 2009	L3 Garland, TX	Option	TACOM-RI,Rock Island, IL	Nov 08	Feb 09	508	0.2	YES		
FY 2010	L3 Garland, TX	Option	TACOM-RI,Rock Island,IL	Mar 10	Jun 10	448	0.2	YES		
<b>Spotting Scope Items</b>										
FY 2008	Ashbury International Charlottesville, VA	Option	JML LCMC,Picatinny,NJ	Sep 08	Mar 09	763	1.0			
FY 2009	Ashbury International Charlottesville, VA	Option	JML LCMC,Picatinny,NJ	Feb 09	May 09	508	1.1	YES		
FY 2010	Ashbury International Charlottesville, VA	Option	JML LCMC,Picatinny,NJ	Mar 10	May 10	448	1.0	YES		

REMARKS:

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08														Fiscal Year 09														Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08														Calendar Year 09														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

1. Hardware																																		
SASS Weapons																																		
1	FY 07 P	A	1100	590	510																													0
1	FY 08	A	801	0	801													A																101
1	FY 09	A	439	0	439																													439
1	FY 10	A	448	0	448																													448
					2198																													988
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct					
		1	Initial	Reorder			3	6				7	13
1	Knights Armaments Co., Titusville, FL	508	2400	4800		1	Initial	Reorder	3	6	7	13	
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

1. Hardware																																	
SASS Weapons																																	
1	FY 07 P	A	1100	1100																													0
1	FY 08	A	801	700	101	75	26																										0
1	FY 09	A	439	0	439		46	72	72	72	72	72	33																				0
1	FY 10	A	448	0	448				A				17	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	31			0
Total					988	75	72	72	72	72	72	72	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	31				
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Knights Armaments Co., Titusville, FL	508	2400	4800		1	Initial	3	6	7	13	
							Reorder	3	3	5	8	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>FY 12 / 13 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)	Date: May 2009
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COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 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	

1. Hardware																																	
SASS Weapons																																	
1	FY 07 P	A	1100	1100																												0	
1	FY 08	A	801	801																												0	
1	FY 09	A	439	439																												0	
1	FY 10	A	448	448																												0	
Total																																	
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Knights Armaments Co., Titusville, FL	508	2400	4800		1	Initial	3	6	7	13	
							Reorder	3	3	5	8	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M4 Carbine (G14904)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	332076	112423	88964	12000		545463
Gross Cost	322.0	178.3	150.6	20.5		671.5
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	322.0	178.3	150.6	20.5		671.5
Initial Spares						
Total Proc Cost	322.0	178.3	150.6	20.5		671.5
Flyaway U/C						
Weapon System Proc U/C	0.0	0.0	0.0	0.0		0.0

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

**Justification:**  
FY10 Base procurement dollars in the amount of \$20.500 million supports the National Guard and Army Reserve by purchasing 12,000 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.

		FY2008	FY2009	FY2010
Active	Qty	70408	59195	
	Cost	\$113.060		\$79.842
NG	Qty	39201	21507	3062
	Cost	\$60.606	\$61.055	\$9.966
AR	Qty	2814	8262	8938
	Cost	\$4.675	\$9.713	\$10.534

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: M4 Carbine (G14904)	Weapon System Type:	Date: May 2009
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WTCV Cost Elements	ID	FY 08			FY 09			FY 10		
	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	133753	112423	1.2	114262	88964	1.3	15300	12000	1.3
2. Combat Optics		33401	112423	0.3	31260	88964	0.4	4205	12000	0.4
3. Engineering Support		7321			3735			746		
4. Integrated Logistics Support		1183			451			83		
5. Fielding/Transportation		1183			451			83		
8. Engineer Tests		1500			451			83		
<b>Total:</b>		<b>178341</b>			<b>150610</b>			<b>20500</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: M4 Carbine (G14904)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. M4 Carbine</b>										
FY 2008	Colt's Mfg Co. Inc Hartford, CT	Option	TACOM-RI, Rock Island, IL	Dec 07	Oct 08	112423	1.2			
FY 2009	Colt's Mfg Co. Inc Hartford, CT	Option	TACOM-RI, Rock Island, IL	Nov 08	Oct 09	29290	1.3			
FY 2009	Colt's Mfg Co. Inc Hartford, CT	Option	TACOM-RI, Rock Island, IL	Sep 09	Jan 10	59674	1.3	Yes		
FY 2010	Colt's Mfg Co. Inc Hartford, CT	Option	TACOM-RI, Rock Island, IL	Jan 10	Aug 10	12000	1.3	Yes		
<b>2. Combat Optics</b>										
FY 2008	Colt's Mfg Co. Inc Hartford, CT	Option	JM&L LCMC, Picatinny, NJ	Jun 09	Jul 09	112423	0.3			
FY 2009	Colt's Mfg Co. Inc Hartford, CT	Option	JM&L LCMC, Picatinny, NJ	Aug 09	Sep 09	88964	0.4	Yes		
FY 2010	Colt's Mfg Co. Inc Hartford, CT	Option	JM&L LCMC, Picatinny, NJ	Jan 10	Feb 10	12000	0.4	Yes		

REMARKS:

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE M4 Carbine (G14904)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08													Fiscal Year 09													Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08													Calendar Year 09													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

1. M4 Carbine																															
1	FY 07 & P	A	80542	3000	77542	3000	4000	4000	5000	6000	7000	8000	8000	8000	8000	8542															0
1	FY 08	A	112423	0	112423			A									8778	9024	9024	9024	9128	9127	9217	9217	9320	9531	9198	9198	2637		
1	FY 09	A	29290	0	29290													A											29290		
1	FY 09	A	59674	0	59674																						A		59674		
1	FY 10	A	12000	0	12000																								12000		
1	FY 08	AF	13864	0	13864									18					32	300	350	177							12987		
1	FY 10	AF	338	0	338																								338		
1	FY 08	FMS	13512	0	13512														754	783	800	874	600	650	500	500	500	1000	1000	5551	
1	FY 09	FMS	0	0																									0		
1	FY 10	FMS	20000	0	20000																								20000		
1	FY 08	MC	9204	0	9204																64	617	618	1115	1276	1278	1200	1200	1836		
1	FY 09	MC	8125	0	8125																								8125		
1	FY 10	MC	9570	0	9570																								9570		
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Colt's Mfg Co. Inc, Hartford, CT	12000	36000	144000	18	1	Initial	5	3	8	11	
							Reorder	2	4	7	11	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
M4 Carbine (G14904)

Date: May 2009

COST ELEMENTS						Fiscal Year 08														Fiscal Year 09														Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08														Calendar Year 09														
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
Total					365542	3000	4000	4000	5000	6000	7000	8000	8000	8000	8018	8000	8542	8778	9810	10107	10174	10243	10344	10485	10832	11096	11309	11398	11398	162008				
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Colt's Mfg Co. Inc, Hartford, CT	12000	36000	144000	18	1	Initial	5	3	8	11	
							Reorder	2	4	7	11	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE M4 Carbine (G14904)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

1. M4 Carbine																															
1	FY 07 & P	A	80542	80542																										0	
1	FY 08	A	112423	109786	2637	2637																								0	
1	FY 09	A	29290	0	29290	3565	6000	6000	6000	6000	1725																			0	
1	FY 09	A	59674	0	59674				300	1534	7705	10504	11162	11200	11300	4969	1000													0	
1	FY 10	A	12000	0	12000				A							1090	1090	1090	1090	1090	1090	1090	1456	1457	1457					0	
1	FY 08	AF	13864	877	12987	2772	2773	2773	2773	1896																				0	
1	FY 10	AF	338	0	338												338													0	
1	FY 08	FMS	13512	7961	5551	1243	1951	2000	357																					0	
1	FY 09	FMS	0	0																										0	
1	FY 10	FMS	20000	0	20000											1500	2131	2000	1500	1000	1856	2569	1300	1000	500	1879	2765			0	
1	FY 08	MC	9204	7368	1836	1252	584																							0	
1	FY 09	MC	8125	0	8125		192	727	2070	2070	2070	996																	0		
1	FY 10	MC	9570	0	9570								338	300	200	100	1338	1662	5000	632											0
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Colt's Mfg Co. Inc, Hartford, CT	12000	36000	144000	18	1	Initial	5	3	8	11	
							Reorder	2	4	7	11	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					





<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)			
Program Elements for Code B Items: 0604601A - Infantry Support Weapons		Code: B	Other Related Program Elements:				
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog	
Proc Qty		5167	4918	3738		13823	
Gross Cost	4.5	10.1	9.1	6.9		30.6	
Less PY Adv Proc							
Plus CY Adv Proc							
Net Proc P1	4.5	10.1	9.1	6.9		30.6	
Initial Spares							
Total Proc Cost	4.5	10.1	9.1	6.9		30.6	
Flyaway U/C							
Weapon System Proc U/C		0.0	0.0	0.0		0.0	
<b>Description:</b> 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.							
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$6.945 million supports the Active Army, National Guard and Army Reserves by purchasing 3,738 Modular Accessory Shotgun Systems (MASS). The MASS will provide deploying units a critical capability in the urban environment to breach doors, engage in close quarters combat, or fire non-lethal ammunition with a 12 gauge shotgun without releasing their primary weapon.							

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)			Weapon System Type:	Date: May 2009					
<b>WTCV Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		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		B	9574	5167	1.9	8905	4918	1.8	6802	3738	1.8
2. Initial Spare Parts			32	1514							
3. Engineering Support			343			96			90		
4. Integrated Logistics Support			39			23			18		
5. Fielding			38			23			18		
6. New Equipment Training (NET)			39			23			17		
<b>Total:</b>			<b>10065</b>			<b>9070</b>			<b>6945</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. Shotguns</b>										
FY 2008	Vertu Corporation Manassas, VA	Option	JM&L LCMC, Picatinny, NJ	Jul 09	Oct 09	1900	1.9			
FY 2008	Vertu Corporation Manassas, VA	Option	JM&L LCMC, Picatinny, NJ	Mar 10	Apr 10	3267	1.9			
FY 2009	Vertu Corporation Manassas, VA	Option	JM&L LCMC, Picatinny, NJ	Mar 10	Oct 10	4918	1.8	Yes		
FY 2010	Vertu Corporation Manassas, VA	Option	JM&L LCMC, Picatinny, NJ	Mar 10	Aug 11	3738	1.8	Yes		
<b>2. Initial Spare Parts</b>										
FY 2008	Vertu Corporation Manassas, VA	Option	JM&L LCMC, Picatinny, NJ	Nov 09	Jan 10	1514				

REMARKS: Option to RDTE Contract. Full Rate Production (FRP) planned Mar 10. Unit Cost increased from engineering changes to resolve reliability issues.

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>										P-1 ITEM NOMENCLATURE SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)										Date: May 2009	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----------------	--

COST ELEMENTS						Fiscal Year 08														Fiscal Year 09														Later							
						Calendar Year 08														Calendar Year 09																					
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S												
						C	O	E	A	E	A	A	U	U	U	E	C	O	V	E	A	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P
1. Shotguns																																									
1	FY 08	A	1900	0	1900																														A			1900			
1	FY 08	A	3267	0	3267																																	3267			
1	FY 09	A	4918	0	4918																																	4918			
1	FY 10	A	3738	0	3738																																	3738			
Total					13823																																	13823			
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S												
						C	O	E	A	E	A	A	U	U	U	E	C	O	V	E	A	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Vertu Corporation, Manassas, VA	1000	6000	7610	6	1	Initial	3	6	20	26	REMARKS Lead time is based upon planned LRIP award in FY09.
							Reorder	3	6	17	23	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

1. Shotguns																														
1	FY 08	A	1900	0	1900	200	200	300	400	400	400																			0
1	FY 08	A	3267	0	3267					A	500	500	500	500	500	500	267													0
1	FY 09	A	4918	0	4918					A							233	500	500	500	500	500	500	500	500	500	500	500	185	0
1	FY 10	A	3738	0	3738					A																		315	500	2923
Total					13823	200	200	300	400	400	400	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	2923
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Vertu Corporation, Manassas, VA	1000	6000	7610	6	1	Initial	3	6	20	26	
							Reorder	3	6	17	23	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 12 / 13 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)	Date: May 2009
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COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 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	

1. Shotguns																																		
1	FY 08	A	1900	1900																														0
1	FY 08	A	3267	3267																														0
1	FY 09	A	4918	4918																														0
1	FY 10	A	3738	815	2923	500	500	500	500	500	423																							0
Total					2923	500	500	500	500	500	423																							
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Vertu Corporation, Manassas, VA	1000	6000	7610	6	1	Initial	3	6	20	26	
							Reorder	3	6	17	23	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature Common Remotely Operated Weapons Station (CROWS) (G04700)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	1932	700	1215	1000		4847
Gross Cost	516.3	223.2	279.5	235.0		1254.0
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	516.3	223.2	279.5	235.0		1254.0
Initial Spares						
Total Proc Cost	516.3	223.2	279.5	235.0		1254.0
Flyaway U/C						
Weapon System Proc U/C	0.2					0.2
<b>Description:</b> 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 four 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, and various Mine Resistant Ambush Protection (MRAP) vehicles. 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 four-axis stabilization allows for accurate fire on the move at speeds up to 15 miles per hour.						
<b>Justification:</b> FY10 Overseas Contingency Operations (OCO) procurement dollars in the amount of \$235.000 million supports the Active Army by purchasing 1,000 CROWS systems to prosecute the Overseas Contingency Operations by resetting items, replacing battle losses, generating and protecting forces and enhancing military capabilities.						
		FY2008	FY2009	FY2010		
Active	Qty	675	1215	1000		
	Gross Cost	\$214.558	\$279.500	\$235.000		
NG	Qty	25				
	Gross Cost	\$8.654				

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: Common Remotely Operated Weapons Station (CROWS) (G04700)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		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
<b>Hardware</b>											
CROWS system		A	150500	700	215	237775	1215	196	199500	1000	200
Vehicle Integration Kit			3743	700	5	3675	1215	3	3070	1000	3
Trainers			3606								
Engineering Support			11618			9459			6730		
Integrated Logistics Support			8325			4043			2630		
Total Package Fielding			8559			5600			4000		
Contractor Field Service Representatives			2571			2202			2202		
Production Verification Test			7660								
Safety Confirmation Test						1000					
First Destination Transportation			120			123			88		
Spares/Repair Parts			17848			12123			15280		
New Equipment Training			8662			3500			1500		
Unit Price is proprietary under the provisions of Executive Order 12600											
<b>Total:</b>			<b>223212</b>			<b>279500</b>			<b>235000</b>		



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

Date:  
May 2009

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
<b>CROWS system</b>										
FY 2008	Kongsberg Aerospace Johnstown, PA	Option	TACOM-Picatinny, Picatinny,NJ	Aug 08	Jul 09	192	215			
FY 2008	Kongsberg Aerospace Johnstown, PA	Option	TACOM-Picatinny, Picatinny,NJ	Sep 08	Sep 09	408	215			
FY 2008	Kongsberg Aerospace Johnstown, PA	Option	TACOM-Picatinny, Picatinny,NJ	Dec 08	Jan 10	80	215			
FY 2008	Kongsberg Aerospace Johnstown, PA	Option	TACOM-Picatinny, Picatinny,NJ	Oct 09	Feb 10	20	215			
FY 2009	Kongsberg Aerospace Johnstown, PA	Option	TACOM-Picatinny, Picatinny,NJ	Oct 09	Mar 10	1215	196			
FY 2010	Kongsberg Aerospace Johnstown, PA	Option	TACOM-Picatinny, Picatinny,NJ	Feb 10	Jan 11	1000	200			
<b>Vehicle Integration Kit</b>										
FY 2008	Computer Sciences Corp Eatontown, NJ	Option	TACOM-Warren, Warren MI	Aug 08	May 09	333	5			
FY 2008	Micor Industries Decatur, AL	Option	TACOM-Picatinny, Picatinny,NJ	Mar 09	Jul 09	367	5			
FY 2009	Micor Industries Decatur, AL	Option	TACOM-Picatinny, Picatinny,NJ	Oct 09	Feb 10	1215	3			
FY 2010	Micor Industries Decatur, AL	Option	TACOM-Picatinny, Picatinny,NJ	Feb 10	Dec 10	1000	3			

REMARKS:

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
Common Remotely Operated Weapons Station (CROWS) (G04700)

Date: May 2009

COST ELEMENTS						Fiscal Year 08													Fiscal Year 09													Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08													Calendar Year 09													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
CROWS system																																
1	FY 06	A	763	0	763						29	30	40	40	50	100	100	116	120	138									0			
1	FY 07	A	1165	0	1165																190	200	200	175	200	200		0				
1	FY 08	A	700	0	700										A	A										85	85	90	440			
1	FY 09	A	1215	0	1215																							1215				
1	FY 10	A	1000	0	1000																							1000				
1	FY 08	AF	25	0	25																							0				
1	FY 08	MC	4	0	4																							0				
1	FY 08	SOC	120	0	120									20	20	20	20	20	20									0				
Total					4992						29	30	40	40	70	120	120	140	140	158	190	200	200	200	200	200	85	85	90	2655		
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Kongsberg Aerospace, Johnstown, PA	420	2400	3000		1	Initial	2	12	5	17	Other service buys on P21 does not include other Army requirements such as 679 to be identified on the Army's Vanguard P-Forms, 426 on the M1 Tank (TUSK Program), and 34 on M93 Fox Program P-Forms.
							Reorder	2	4	12	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature HANDGUN (G15325)		
Program Elements for Code B Items: 0604601A - Infantry Support Weapons		Code: B	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty			2895	5000		7895
Gross Cost			2.0	3.4		5.4
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1			2.0	3.4		5.4
Initial Spares						
Total Proc Cost			2.0	3.4		5.4
Flyaway U/C						
Weapon System Proc U/C			0.0	0.0		0.0
<b>Description:</b> The Handgun will fund the procurement of the M9 Pistols or the new Modular Handgun System. Currently the M9 Pistol is utilized as a Personal Defense Weapon provided in the field. The new Modular Handgun System is on hold pending an approved Capability Production Document by the Joint Requirements Oversight Council. This new Modular Handgun System would replace the M9 Pistol as a new Personal Defense Weapon.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$3.389 million supports the Active Army by purchasing 5,000 M9 Pistols or the new Modular Handgun System as a Personal Defense Weapon (PDW).						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature HOWITZER LT WT 155MM (T) (G01700)		
Program Elements for Code B Items: 0604854-509		Code: B	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	113	203	38	53		407
Gross Cost	268.2	470.6	112.9	157.6		1009.2
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	268.2	470.6	112.9	157.6		1009.2
Initial Spares						
Total Proc Cost	268.2	470.6	112.9	157.6		1009.2
Flyaway U/C	0.0	0.0	0.0	0.0		0.0
Weapon System Proc U/C	2.4	2.3	3.0	3.0		10.6
<b>Description:</b>						
The Lightweight 155mm Howitzer (LW155), also known as the M777A2, provides direct, reinforcing, and general support fires to maneuver forces. It replaces all howitzers in all missions in the USMC and replaces the M198 howitzer as the general support artillery for light forces in the Army. The LW155 fires unassisted projectiles to a range of 15 miles and assisted projectiles to 19 miles, but the addition of the digital fire control system enables the weapon to program and fire the improved Excalibur precision-guided munition to ranges in excess of 25 miles with better than 10-meter Circular Error Probable (CEP) accuracy. The LW155 is the first ground combat system whose major structures are made of high strength titanium alloy and the system makes extensive use of hydraulics to operate the breech, load tray, recoil and wheel arms. The combination of titanium structures and the use of hydraulic systems resulted in a significant weight savings over the M198 system (>7000 lbs.). Compared to the M198, the LW155 replaces three-times faster and displaces four-times faster. It traverses 32 percent more terrain worldwide and is 70 percent more survivable than the M198.						
FY08 production is the final year of a joint FY2005-FY2008 multiyear procurement with the USMC.						
FY09-FY10 Weapon System procurement unit cost is higher because the Howitzer procurement will be awarded as single year buys.						
<b>Justification:</b>						
The LW155 replaces the M198 Towed Howitzer for the U.S. Army and USMC. The LW155 must be procured in FY2010 to continue the replacement of the aging, heavier M198 howitzer. This is scheduled to be the final year of the LW155 production line. 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.						
FY10 Base funding in the amount of \$49.572 million will procure 17 Lightweight 155mm Towed Howitzers (LW155).						
FY10 Overseas Contingency Operations (OCO) funding in the amount of \$107.996 million will procure 36 Lightweight 155mm Towed Howitzers (LW155).						
Active		FY2008	FY2009	FY2010		
	QTY	113	25	36		
	Gross Cost	\$320.749	\$72.841	\$111.678		

**Exhibit P-40, Budget Item Justification Sheet**

Date: May 2009

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

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

Program Elements for Code B Items:  
0604854-509

Code:  
B

Other Related Program Elements:

National Guard	QTY	90	13	17
	Gross Cost	\$149.842	\$40.030	\$45.890

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: HOWITZER LT WT 155MM (T) (G01700)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			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											
BAE Lightweight 155mm Howitzer			365400	203	1800	86375	38	2273	120469	53	2273
Watervliet Arsenal Cannon			50750	203	250	9500	38	250	13250	53	250
Primer Feed Mechanism			4060	203	20	798	38	21	1113	53	21
Optical Fire Control			9135	203	45	1824	38	48	2544	53	48
Basic Initial Issue			22629			4236			5908		
Watervliet Arsenal Facilitization											
System Engineering / Program Management			8255			5310			7550		
Test			4680			2250			3138		
Fielding			5682			2578			3596		
<b>Total:</b>			<b>470591</b>			<b>112871</b>			<b>157568</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: HOWITZER LT WT 155MM (T) (G01700)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>BAE Lightweight 155mm Howitzer</b>										
FY 2008	BAE SYSTEMS Barrow-in-Furness, UK	MYP/FFP	Picatinny Arsenal, NJ	Mar 08	Jul 08	203	1800			
FY 2009	BAE SYSTEMS Barrow-in-Furness, UK	SS/FFP	Picatinny Arsenal, NJ	Oct 08	Jul 10	38	2273			
FY 2010	BAE SYSTEMS Barrow-in-Furness, UK	SS/FFP	Picatinny Arsenal, NJ	Oct 09	Dec 10	53	2273			
<b>Watervliet Arsenal Cannon</b>										
FY 2008		MIPR	N/A	Oct 07	Jun 08	203	250			
FY 2009		MIPR	N/A	Oct 08	May 09	38	250			
FY 2010		MIPR	N/A	Oct 09	Sep 10	53	250			
<b>Primer Feed Mechanism</b>										
FY 2008	Triumph Actuator Systems Bloomfield, CT 06002	MYP/FFP	Picatinny Arsenal, NJ	Oct 07	Jun 08	203	20			
FY 2009	Triumph Actuator Systems Bloomfield, CT 06002	SS/FFP	Picatinny Arsenal, NJ	Oct 08	May 09	38	21			
FY 2010	Triumph Actuator Systems Bloomfield, CT 06002	SS/FFP	Picatinny Arsenal, NJ	Oct 09	Sep 10	53	21			
<b>Optical Fire Control</b>										
FY 2008	Seiler Instrument St. Louis, MO 63119	MYP/FFP	Picatinny Arsenal, NJ	Oct 07	Jun 08	203	45			
FY 2009	Seiler Instrument St. Louis, MO 63119	SS/FFP	Picatinny Arsenal, NJ	Oct 08	May 09	38	48			
FY 2010	Seiler Instrument St. Louis, MO 63119	SS/FFP	Picatinny Arsenal, NJ	Oct 09	Sep 10	53	48			

REMARKS: Prior LW155 Towed Howitzer procurement was accomplished through a Multiyear (FY05-FY08) Procurement Contract. Contracts for the procurement of howitzers, primer feed mechanisms, and optical fire control for FY2009 and FY2010 quantities will be awarded as single year buys.

FY09/FY10 Weapon System procurement unit cost is higher because the Howitzer procurement will be awarded as single year buys.



<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE HOWITZER LT WT 155MM (T) (G01700)	Date: May 2009
--	--	-------------------

COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

LW155 (USMC - For Information Only)																													
1	FY 08	MC	100	24	76	8	8	8	8	8	8	8	8	8	8	4												0	
1	FY 09	FMS	25	1	24																				4	4	4	4	4
1	FY 09	MC	24	0	24													4	4	4	4	4	4						0
1	FY 10	FMS	35	0	35																								35
1	FY 10	MC	18	0	18																								18

Lightweight 155mm Towed Howitzer (LW155)																																	
1	FY 08	A	203	24	179	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	5	4	2	0	
1	FY 09	A	38	0	38	A																								7	8	8	15
1	FY 10	A	53	0	53													A														53	
					447	16	16	16	16	16	16	16	16	12	8	8	8	12	12	12	12	12	12	12	12	12	12	16	16	14	125		
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	BAE SYSTEMS, Barrow-in-Furness, UK	48	192	192		1	0	1	11	12	The FY05-08 Full Rate Production Contract is a Joint Multi-Year procurement with the USMC. This Multi-Year Contract was awarded in March 2005. Admin and Production Leadtimes are from the original FY05 buy.
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature MK-19 Grenade Machine Gun MODS (GB3000)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	24.9	6.2	7.6	8.2		46.9
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	24.9	6.2	7.6	8.2		46.9
Initial Spares						
Total Proc Cost	24.9	6.2	7.6	8.2		46.9
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> 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. Also, provides other ancillary equipment such as the M3 Tripod and Lightweight Tripod for dismounted machine Guns.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$8.164 million supports the Army by purchasing 252 MK-19 Tactical Engagement Simulator (TES) and 100 M205 Tripods for the MK-19 Grenade Machine Gun. 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. The M205 Lightweight Tripod is a replacement for the current M3 Tripod.						

<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Item Nomenclature MK-19 Grenade Machine Gun MODS (GB3000)			
Program Elements for Code B Items:				Code:	Other Related Program Elements:	
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
Tactical Engagement Simulator (TES)						
TBD1	Training	13.2	7.5	7.8	0.0	28.5
Lightweight Adjustable Sight Bracket						
TBD2	Operational	7.6	0.1	0.0	0.0	7.7
Tripods						
TBD3	Operational	0.0	0.0	0.4	0.0	0.4
Closed - Modification Kit						
TBD4		10.3	0.0	0.0	0.0	10.3
Totals		31.1	7.6	8.2	0.0	46.9

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

MODELS OF SYSTEM AFFECTED: MK-19 Grenade Machine Gun

**DESCRIPTION / JUSTIFICATION:**

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

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

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

**Installation Schedule**

	Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION:      Field Application      ADMINISTRATIVE LEADTIME:      5 months      PRODUCTION LEADTIME:      8 months  
 Contract Dates:                          FY 2010 - Mar 10                          FY 2011 -                          FY 2012 -  
 Delivery Dates:                          FY 2010 - Oct 10                          FY 2011 -                          FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Kit Quantity	1088		228		252				1568	
Hardware		10.5		6.7		6.9				24.1
Engineering Support		1.7		0.6		0.6				2.9
Integrated Logistical Support		0.6		0.1		0.1				0.8
Fielding		0.4		0.1		0.2				0.7
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		13.2		7.5		7.8		0.0		28.5

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: Tripods [MOD 3] TBD3

MODELS OF SYSTEM AFFECTED: MK-19 Grenade Machine Gun

DESCRIPTION / JUSTIFICATION:  
 M3 Tripods M3 Tripod and M205 Lightweight Tripods (mount for M2/MK19 Machine Guns in dismantled role. M205 Tripod will reduce the Soldier burden as the current .50 caliber machine gun tripod (M3) weighs 44 pounds.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):  
 Developmental/Operational Test Dec 09 (Planned)  
 Type Classification - Standard Aug 10 (Planned)  
 First Unit Equipped July 11(Planned)

Installation Schedule

	Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 11 months PRODUCTION LEADTIME: 5 months  
 Contract Dates: FY 2010 - Sept 10 FY 2011 - FY 2012 -  
 Delivery Dates: FY 2010 - Feb 11 FY 2011 - FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): Tripods [MOD 3] TBD3

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Quantity M205 Tripod					100				100	
M205 Tripod						0.3				0.3
Engineering, ILS, TPF Support						0.1				0.1
<b>Installation of Hardware</b>										
FY 2008 & Prior Equip -- Kits										
FY 2009 -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
FY 2015 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		0.0		0.4		0.0		0.4



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature M4 CARBINE MODS (GB3007)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	466.7	132.9	16.7	31.5		647.8
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	466.7	132.9	16.7	31.5		647.8
Initial Spares						
Total Proc Cost	466.7	132.9	16.7	31.5		647.8
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The M4 Carbine Modification Program provides a Combat Optic, Close Quarters Battle Kit, an Improved Buttstock, Suppressor, 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. In FY 2012 a New Start will be initiated to procure suppressors. The suppressor attaches to the muzzle end of the weapon (M4 Carbine and M16 Rifle) to reduce weapon flash, smoke, noise, and dust.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$31.472 million supports the Army by purchasing Close Quarters Battle Kits and Improved Combat Optics. The Close Quarters Battle Kit provides the Soldier with multiple low cost items to increase lethality and survivability with the M4 carbine and/or M16A4 rifle. The Improved Combat Optics will enhance the capability to identify and engage targets from 300 to 600m for long-range first round hit. This system will not degrade the Soldier's ability to conduct reflexive fire techniques and will allow for the Soldier to transition rapidly between long-range engagements and close quarters engagements. This item used on the M4 Modular Weapon System (MWS) is a key component of Soldier lethality and allows the combat commander to configure weapons based upon the mission.						

<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Item Nomenclature M4 CARBINE MODS (GB3007)			
Program Elements for Code B Items:				Code:	Other Related Program Elements:	
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
Combat Optics						
TBD1	Operational	140.8	1.4	5.4	0.0	147.6
Close Quarters Battle Kit						
TBD2	Operational	252.0	15.3	26.1	0.0	293.4
Closed Mods						
TBD4		206.8	0.0	0.0	0.0	206.8
Totals		599.6	16.7	31.5	0.0	647.8

<b>INDIVIDUAL MODIFICATION</b>																		Date: May 2009			
MODIFICATION TITLE: Combat Optics [MOD 1] TBD1																					
MODELS OF SYSTEM AFFECTED: M4 Carbine (5.56mm)																					
DESCRIPTION / JUSTIFICATION: The M68 Close Combat Optic is used on the M4 Carbine and M16 Rifle. 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. The M150 Rifle Combat Optic (RCO) was selected as the improved Combat Optic. The M150 RCO provides a reflexive fire technique allowing the Soldier to transition rapidly between long-range and close quarters engagements.																					
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S): Combat Optic: M68 Close Combat Optic (CCO) Type Classification (LRIP) 4Q96 (Actual) First Production Hardware Delivered 1Q97 (Actual) First Unit Equipped 2Q98 (Actual)  Improved Combat Optic: M150 Rifle Combat Optic (RCO) Milestone B 2Q07 (Actual) Milestone C/Type Classification Standard 3Q08 (Actual) First Unit Equipped 4Q08 (Actual)																					
Installation Schedule																					
		FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																					
Outputs																					
		FY 2014				FY 2015				FY 2016				FY 2017				To	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 2010 - Jan 10				FY 2011 -				FY 2012 -											
Delivery Dates:		FY 2010 - Feb 10				FY 2011 -				FY 2012 -											

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): Combat Optics [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Quantity	436764		1095		7140				444999	
Hardware		125.1		0.9		5.0				131.0
Engineering Support		10.9		0.3		0.2				11.4
Test		0.4								0.4
Integrated Logistical Support		2.5		0.2		0.1				2.8
Fielding		1.9				0.1				2.0
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
FY 2015 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		140.8		1.4		5.4		0.0		147.6

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: Close Quarters Battle Kit [MOD 2] TBD2

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 provides the following items: Low profile bipod, cleaning kit, improved magazines, magazine pouches, multiple magazine holders with storage pouches, forward rail brackets, and improved weapon sling.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

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

**Installation Schedule**

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

  

1	2	3	4	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: installed by troops      ADMINISTRATIVE LEADTIME: 3 months      PRODUCTION LEADTIME: 2 months  
 Contract Dates: FY 2010 - Jan 10      FY 2011 -      FY 2012 -  
 Delivery Dates: FY 2010 - Feb 10      FY 2011 -      FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): Close Quarters Battle Kit [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Quantity	4840666		19857		36161				4896684	
Hardware		237.5		13.9		25.7				277.1
Engineering Support		10.3		1.0		0.2				11.5
Integrated Logistic Support		2.5		0.2		0.1				2.8
Fielding		1.7		0.2		0.1				2.0
Engineering Studies										
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
FY 2015 Equip -- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		252.0		15.3		26.1		0.0		293.4

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature M2 50 Cal Machine Gun MODS (GB4000)		
Program Elements for Code B Items: 604601A S63		Code: B	Other Related Program Elements: 0604601A S58			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	19.3	21.7	12.5	35.3		88.8
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	19.3	21.7	12.5	35.3		88.8
Initial Spares						
Total Proc Cost	19.3	21.7	12.5	35.3		88.8
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> 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 quick change barrel will be ready for production in FY 2010 allowing the Army to retrofit the current M2 fleet on a one for one basis. Also provides other ancillary equipment such as the M3 Tripod, Lightweight Tripod, MK93 Mount and similar mounts, backplates, trigger blocks and improved sighting systems.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$7.738 supports the Army by purchasing 1,244 QCB Kits and 832 XM205 Lightweight tripods for the Machine Gun, Cal .50 M2 Roll weapon system in support of Overseas Contingency Operations in order to improve the Soldier's military capabilities through increased readiness and safety and reduction of the Soldier's burden.  FY10 Overseas Contingency Operations (OCO) procurement dollars the amount of \$27.600 million supports the Army by procuring 2,380 QCB Kits and 5,409 XM205 Lightweight tripods for the Machine Gun, Cal .50 M2 Roll weapon system in support of Overseas Contingency Operations in order to improve the Soldier's military capabilities through increased readiness and safety and reduction of the Soldier's burden.						

<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Item Nomenclature M2 50 Cal Machine Gun MODS (GB4000)			
Program Elements for Code B Items: 604601A S63			Code: B	Other Related Program Elements: 0604601A S58		
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
M2A1 QUICK CHANGE BARREL KIT						
TBD1	Operational	15.9	6.3	18.1	0.0	40.3
Tripods [MOD 2] TBD2						
TBD2	Operational	8.6	6.2	17.2	0.0	32.0
CLOSED MODS						
0-00-00-0000		12.0	0.0	0.0	0.0	12.0
Totals		36.5	12.5	35.3	0.0	84.3



**INDIVIDUAL MODIFICATION**

Date: May 2009

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. Other ancillary equipment includes M3 Tripods, Lightweight Tripods, MK93 Mounts and similar mounts, backplates, trigger blocks and improved sighting systems.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

User Assessment 4Q09 (Planned)  
 Type Classification - Standard 2Q10 (Planned)  
 First Unit Equipped 4Q10 (Planned)

Installation Schedule

Pr Yr	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>Totals</b>							300	900	607	906	906	906	906							
Inputs																				
Outputs							300	900	607	906	906	906	906	906						

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		5431
Outputs																		5431

METHOD OF IMPLEMENTATION: Depot Installed ADMINISTRATIVE LEADTIME: 4 months PRODUCTION LEADTIME: 15 months  
 Contract Dates: FY 2010 - Feb 10 FY 2011 - FY 2012 -  
 Delivery Dates: FY 2010 - Apr 11 FY 2011 - FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Kit Quantity	725		1082		3624				5431	
Hardware QCB Kits		4.4		6.0		16.6				27.0
Ancillary Equipment	56473	10.5							56473	10.5
Engineering Support		0.4		0.1		0.8				1.3
Testing		0.3				0.1				0.4
Integrated Logistics Support		0.1		0.1		0.2				0.4
Fielding		0.2		0.1		0.2				0.5
New Equipment Training						0.1				0.1
First Destination Transp						0.1				0.1
<b>Installation of Hardware</b>										
FY 2007&Prior Kits/Equip	56473								56473	
FY 2008 -- QCB Kits					300				300	
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	56473	0.0	0	0.0	300	0.0	0	0.0	56773	0.0
Total Procurement Cost		15.9		6.3		18.1		0.0		40.3

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: Tripods [MOD 2] TBD2 [MOD 2] TBD2

MODELS OF SYSTEM AFFECTED: Machine Gun, CAL .50 M2 and MK-19 Grenade Machine Gun

DESCRIPTION / JUSTIFICATION:  
M3 Tripods and M205 Lightweight Tripods (mount for M2/MK19 Machine Guns in dismounted role. M205 Tripod will reduce the Soldier burden as the current .50 caliber machine gun tripod (M3) weighs 44 points.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):  
 Developmental/Operational Test            Dec 09 (Planned)  
 Type Classification - Standard            Aug 10 (Planned)  
 First Unit Equipped                         July 11 (Planned)

Installation Schedule

Pr Yr	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION:    Field Installed            ADMINISTRATIVE LEADTIME:    11 months            PRODUCTION LEADTIME:    6 months  
 Contract Dates:                        FY 2010 - Sep 10                        FY 2011 -                        FY 2012 -  
 Delivery Dates:                        FY 2010 - Feb 11                        FY 2011 -                        FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): Tripods [MOD 2] TBD2 [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RD&amp;E</b>									
<b>Procurement</b>										
M3 Tripods Qty	12109								12109	
M205 Tripod Qty			585		6241				6826	
Hardware M3 Tripods		8.5								8.5
Hardware M205 Tripods				2.4		15.6				18.0
Engineering Support		0.1		0.1		0.6				0.8
Testing				3.3						3.3
Integrated Logistics Support				0.1		0.2				0.3
New Equipment Training				0.1		0.3				0.4
Fielding				0.1		0.3				0.4
First Destination Transportation				0.1		0.2				0.3
<b>Installation of Hardware</b>										
FY 2008 & Prior Tripods										
FY 2009 -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
FY 2015 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		8.6		6.2		17.2		0.0		32.0

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M249 SAW Machine Gun MODS (GZ1290)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	103.4	25.3	7.1	28.7		164.5
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	103.4	25.3	7.1	28.7		164.5
Initial Spares						
Total Proc Cost	103.4	25.3	7.1	28.7		164.5
Flyaway U/C						
Weapon System Proc U/C						

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

**Justification:**  
FY10 Base procurement dollars in the amount of \$7.833 million supports the Army by purchasing Improved Bipods, Improved Collapsible Buttstocks, Light Weight Ground Mounts, 200 Round Soft Pack Magazine/Barrel Bags/Sling Assembly and improved combat optics for the M249 SAW Machine Gun weapon system. 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.

FY10 Overseas Contingency Operations (OCO) procurement dollars in the amount of \$20.900 million supports the Army by purchasing M192 Light Weight Ground Mounts, Improved Bipod Assemblies, Improved Collapsible Buttstocks, Short Barrels, 200 Round Soft Pack Magazines, 100 Round Soft Pack magazines and Sling Assemblies.

<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Item Nomenclature M249 SAW Machine Gun MODS (GZ1290)			
Program Elements for Code B Items:				Code:	Other Related Program Elements:	
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
M249 Rails/Bipod/Handguard/Combat Optics						
TBD1	Operational	16.6	0.0	3.0	0.0	19.6
M249 Short Barrel/Coll Buttstock/Heatshield						
TBD2	Operational	37.4	6.2	17.2	0.0	60.8
Light Weight Ground Mount						
TBD3	Operational	23.8	0.0	5.5	0.0	29.3
Soft Pack Mag 100&200rd/Barrel Bag/Sling Assembly						
TBD4	Operational	7.2	0.9	3.0	0.0	11.1
Rapid Fielding Initiative						
TBD5	Operational	35.0	0.0	0.0	0.0	35.0
Closed Mods						
TBD6		8.7	0.0	0.0	0.0	8.7
Totals		128.7	7.1	28.7	0.0	164.5



**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Quantity (Various Components)	216337				20500				236837	
Hardware		13.2				2.7				15.9
Engineering Support		2.5				0.2				2.7
Integrated Logistical Support		0.6				0.1				0.7
Fielding		0.3								0.3
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		16.6		0.0		3.0		0.0		19.6



**INDIVIDUAL MODIFICATION**

Date: May 2009

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**

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

  

1	2	3	4	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						
Outputs																						

**METHOD OF IMPLEMENTATION:** Field Application      **ADMINISTRATIVE LEADTIME:** 5 months      **PRODUCTION LEADTIME:** 10 months  
 Contract Dates:                      FY 2010 - 31 Mar 10                      FY 2011 -                      FY 2012 -  
 Delivery Dates:                      FY 2010 - 31 Dec 10                      FY 2011 -                      FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Quantity (Various Components)	116645		24721		44800				186166	
Hardware		34.3		5.3		16.7				56.3
Engineering Support		2.5		0.8		0.4				3.7
Integrated Logistical Support		0.4		0.1		0.1				0.6
Fielding		0.2								0.2
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		37.4		6.2		17.2		0.0		60.8

**INDIVIDUAL MODIFICATION**

Date: May 2009

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 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 will enable gunners to construct a range data card.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

Developmental/Operational Test           3Q03 (Actual)  
 Type Classification (LRP)                2Q04 (Actual)  
 Production Contract Award                2Q04 (Actual)  
 First Production Hardware Delivered      2Q05 (Actual)  
 First Unit Equipped                        3Q05 (Actual)

**Installation Schedule**

Pr Yr	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

  

Pr Yr	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: Field Application    ADMINISTRATIVE LEADTIME: 5 months    PRODUCTION LEADTIME: 4 months  
 Contract Dates:                   FY 2010 - 31 Mar 10                   FY 2011 -                   FY 2012 -  
 Delivery Dates:                   FY 2010 - 30 Jun 10                   FY 2011 -                   FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Quantity	16439				3800				20239	
Hardware		21.6				4.9				26.5
Engineering Support		1.7				0.5				2.2
Testing		0.1								0.1
Integrated Logistical Support		0.2				0.1				0.3
Fielding		0.2								0.2
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		23.8		0.0		5.5		0.0		29.3

<b>INDIVIDUAL MODIFICATION</b>																Date: May 2009					
MODIFICATION TITLE: Soft Pack Mag 100&200rd/Barrel Bag/Sling Assembly [MOD 4] TBD4																					
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																					
		FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																					
Outputs																					
		FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Inputs																					
Outputs																					
METHOD OF IMPLEMENTATION:   Field Application   ADMINISTRATIVE LEADTIME:   5 months                   PRODUCTION LEADTIME:   9 months																					
Contract Dates:                   FY 2010 - 31 Mar 10                   FY 2011 -                   FY 2012 -																					
Delivery Dates:                   FY 2010 - 30 Nov 10                   FY 2011 -                   FY 2012 -																					

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): Soft Pack Mag 100&200rd/Barrel Bag/Sling Assembly [MOD 4] TBD4

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Quantity	117364		10850		60500				188714	
Hardware		6.1		0.8		2.9				9.8
Engineering Support		1.0		0.1		0.1				1.2
Integrated Logistical Support		0.1								0.1
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		7.2		0.9		3.0		0.0		11.1

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature M240 Medium Machine Gun MODS (GZ1300)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	67.9	14.6	21.1	22.8		126.4
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	67.9	14.6	21.1	22.8		126.4
Initial Spares						
Total Proc Cost	67.9	14.6	21.1	22.8		126.4
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> 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 bipod, sling, short barrel, combat ammo pack, and collapsible buttstock.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$17.964 million supports the Army by purchasing M192 Light Weight Ground Mounts and system enhancements for the M240B Medium Machine Gun Weapon System. 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 have been 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.  FY10 Overseas Contingency Operations (OCO) procurement dollars in the amount of \$4.800 million supports the Army by purchasing Improved Bipods and Collapsible Buttstocks.						

<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Item Nomenclature M240 Medium Machine Gun MODS (GZ1300)			
Program Elements for Code B Items:				Code: A	Other Related Program Elements:	
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
M240B System Improvements						
TBD1	Operational	21.5	15.5	22.8	0.0	59.8
M192 Light Weight Ground Mount						
TBD2	Operation	44.8	5.6	0.0	0.0	50.4
Closed Mods						
NA		16.2	0.0	0.0	0.0	16.2
Totals		82.5	21.1	22.8	0.0	126.4



**INDIVIDUAL MODIFICATION**

Date: May 2009

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 bipod, sling, short barrel, and collapsible buttstock.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):  
 Production Contract Award Aug 01 (Actual)  
 First Production Hardware Delivered Jan 02(Actual)  
 First Unit Equipped Feb 02 (Actual)

Installation Schedule

	Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: Field Applications ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 8 months

Contract Dates: FY 2010 - 31 Mar 10 FY 2011 - FY 2012 -

Delivery Dates: FY 2010 - 30 Oct 10 FY 2011 - FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Quantity	103549		52051		47050				202650	
Hardware		20.2		15.2		22.2				57.6
Engineering Support		0.7		0.1		0.2				1.0
Integrated Logistical Support		0.2		0.1		0.2				0.5
Fielding		0.4		0.1		0.2				0.7
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		21.5		15.5		22.8		0.0		59.8

<b>INDIVIDUAL MODIFICATION</b>															Date: May 2009																																																																																																																																																																
MODIFICATION TITLE: M192 Light Weight Ground Mount [MOD 2] TBD2																																																																																																																																																																															
MODELS OF SYSTEM AFFECTED:																																																																																																																																																																															
DESCRIPTION / JUSTIFICATION: The M192 Light Weight Ground Mount will reduce the weight of the current M122A1 tripod by approximately 50 percent. It will incorporate a modern traverse and elevating mechanism that will maintain predetermined elevation throughout the full range of weapon traverse, as well as contain a series of index marks that will enable gunners to construct a range data card.																																																																																																																																																																															
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S): Development/Operational Tests                      3Q-4Q FY03 (Actual) Type Classification (STD)                              2Q FY04 (Actual) Production Contract Award                            2Q FY04 (Actual) First Production Hardware Delivered              2Q FY05 (Actual) First Unit Equipped                                      3Q FY05 (Actual)																																																																																																																																																																															
Installation Schedule																																																																																																																																																																															
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Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013																																																																																																																																																														
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Outputs																																																																																																																																																																															
METHOD OF IMPLEMENTATION:      Field Applications      ADMINISTRATIVE LEADTIME:      0 months      PRODUCTION LEADTIME:      0 months																																																																																																																																																																															
Contract Dates:                      FY 2010 -                                      FY 2011 -                                      FY 2012 -																																																																																																																																																																															
Delivery Dates:                      FY 2010 -                                      FY 2011 -                                      FY 2012 -																																																																																																																																																																															

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
M192 Ground Mount	48356	40.3	4327	5.4					52683	45.7
M192 Ground Mount-GTA	1000	1.2							1000	1.2
Engineering Support		2.1		0.1						2.2
Testing		0.2								0.2
Integrated Logistical Support		0.4								0.4
Fielding		0.4		0.1						0.5
New Equipment Training		0.2								0.2
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		44.8		5.6		0.0		0.0		50.4

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature PHALANX MODS (GL1000)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	364.1	138.2				502.3
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	364.1	138.2				502.3
Initial Spares						
Total Proc Cost	364.1	138.2				502.3
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> 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.						
<b>Justification:</b> FY10 has no funding.						

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Line Item Nomenclature: PHALANX MODS (GL1000)			Weapon System Type:		Date: May 2009	
<b>WTCV Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		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			131428								
2. Test			2000								
3. Development / Upgrades			4800								
<b>Total:</b>			<b>138228</b>								

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: PHALANX MODS (GL1000)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. System Integration/ Hardware</b> FY 2008	PM Phalanx/Raytheon, Tucson AZ Tucson AZ	MIPR	Tucson, AZ	Aug 09	Aug 10	11	12556	N	N/A	N/A

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





**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
PHALANX MODS (GL1000)

Date: May 2009

COST ELEMENTS						Fiscal Year 10														Fiscal Year 11														Later
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10														Calendar Year 11														
						O C T	N O V	D E C	J A N	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. System Integration/ Hardware																																		
1	FY 08	A	11	0	11												4	4	3															0
Total																																		
						O C T	N O V	D E C	J A N	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					

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR 1	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	PM Phalanx/Raytheon, Tucson AZ, Tucson AZ	24	24	72		1	Initial	0	12	2	14	
							Reorder	0	22	12	34	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature M119 MODIFICATIONS (GC0401)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	34.2	1.8	1.0	46.6		83.5
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	34.2	1.8	1.0	46.6		83.5
Initial Spares						
Total Proc Cost	34.2	1.8	1.0	46.6		83.5
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The M119A2 Towed Howitzer provides direct fire support for the Infantry Brigade Combat Teams. Funding in the M119 Modifications budget is in support of the application of modernization system enhancements and includes the integration of digital fire control components previously type classified on other weapons. The integration effort and acquisition of the components is completed by the Army Research Development and Engineering Center (ARDEC), the M119A2 design authority.						
<b>Justification:</b> FY10 Base funding in the amount of \$25.306 million will procure 50 Digitization Modification kits.  FY10 Overseas Contingency Operations (OCO) funding in the amount of \$21.250 million provides modernization to 85 M119 howitzers to enhance unit readiness and force protection for deploying IBCTs in support of OCO and to stay current with FY10 baseline program technologies.						

<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: May 2009
---	-------------------

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M119 MODIFICATIONS (GC0401)
--	--

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

Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
M119 Modifications						
0-00-00-0000	Operational	1.8	1.0	21.3	0.0	24.1
LASIP						
0-00-00-0000		34.2	0.0	0.0	0.0	34.2
Digitization						
0-00-00-0000	Operational	0.0	0.0	25.3	0.0	25.3
Totals		36.0	1.0	46.6	0.0	83.6

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: M119 Modifications [MOD 1] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Howitzer, Light Towed, 105mm M119

**DESCRIPTION / JUSTIFICATION:**

This modification includes enhanced M187A1 fire control mounts, New Panoramic Telescope mounting bracket and other items required to conduct continues high elevation, high zone operation.

FY10 Overseas Contingency Operations (OCO) funding in the amount of \$21,250,000 will procure 85 modernization kits of M119 current baseline for digitization to enhance unit readiness and force protection for units that deploy to OCO in FY09 to current FY10 baseline program technologies.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

**Installation Schedule**

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs		197	198				85													
Outputs		119	119	157				85												

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		480
Outputs																		480

METHOD OF IMPLEMENTATION: US GOVERNMENT ADMINISTRATIVE LEADTIME: 0 months PRODUCTION LEADTIME: 0 months  
 Contract Dates: FY 2010 - FY 2011 - FY 2012 -  
 Delivery Dates: FY 2010 - July 10 FY 2011 - FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): M119 Modifications [MOD 1] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>Procurement</b>									
M119 Modifications	253	1.8	142	1.0	85	21.3			480	24.1
<b>Installation of Hardware</b>										
FY 2008 equip -Kits			253						253	
FY 2009 equip - Kits			142						142	
Total Installment	0	0.0	395	0.0	0	0.0	0	0.0	395	0.0
Total Procurement Cost		1.8		1.0		21.3		0.0		24.1

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: Digitization [MOD 3] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Howitzer, Light Towed, 105mm M119

DESCRIPTION / JUSTIFICATION:  
The digital fire control modification includes an Inertial Navigation Unit (INU), Gunner Display, Chief of Section Display, power supply, and the associated cable and brackets to mount it on the M119A2 Howitzer. The Digitization modification increases weapon responsiveness/lethality and survivability.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

Pr Yr	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals													37	13						
Inputs																				
Outputs													17	33						

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals		
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Inputs																				50
Outputs																				50

METHOD OF IMPLEMENTATION: Depot Team      ADMINISTRATIVE LEADTIME: 1 months      PRODUCTION LEADTIME: 24 months  
 Contract Dates: FY 2010 - Oct 09      FY 2011 -      FY 2012 -  
 Delivery Dates: FY 2010 - Oct 12      FY 2011 -      FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): Digitization [MOD 3] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>Procurement</b>									
Integration Prod/Init Spares					50	23.6			50	23.6
Logistics & Fielding						0.8				0.8
System Eng & Program Mgn						0.9				0.9
System Refresh										
<b>Installation of Hardware</b>										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
FY 2015 Equip -- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		0.0		25.3		0.0		25.3

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature M16 RIFLE MODS (GZ2800)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	132.8	5.9	1.2	4.2		144.1
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	132.8	5.9	1.2	4.2		144.1
Initial Spares						
Total Proc Cost	132.8	5.9	1.2	4.2		144.1
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The M16 Rifle Modifications Program provides a Combat Optic, Close Quarters Battle Kit, 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.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$4.186 million supports the Army in purchasing Improved Combat Optics and Close Quarters Battle Kits. 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. The Close Quarters Battle Kit provides the Soldier with multiple low cost items to increase lethality and survivability with the M4 carbine and/or M16A4 rifle.						



<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Item Nomenclature M16 RIFLE MODS (GZ2800)			
Program Elements for Code B Items:				Code:	Other Related Program Elements:	
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
Combat Optics						
TBD2	Operational	7.2	0.0	3.3	0.0	10.5
Close Quarters Battle Kit						
TBD3	Operational	1.6	1.2	0.9	0.0	3.7
Closed Mods						
TBD4	Operational	129.9	0.0	0.0	0.0	129.9
<b>Totals</b>						
		138.7	1.2	4.2	0.0	144.1

<b>INDIVIDUAL MODIFICATION</b>																		Date: May 2009			
MODIFICATION TITLE: Combat Optics [MOD 1] TBD2																					
MODELS OF SYSTEM AFFECTED: Rifle, 5.56mm M16A4																					
DESCRIPTION / JUSTIFICATION: One of the new combat optic selected by the Army is the Rifle Combat Optic (RCO). The RCO provides 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) Milestone C/Type Classification Standard 3Q08 (Actual) First Unit Equipped 4Q08(Actual)																					
Installation Schedule																					
		FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																					
Outputs																					
		FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Inputs																					
Outputs																					
METHOD OF IMPLEMENTATION: Installed by troops ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 2 months																					
Contract Dates: FY 2010 - Jan 10 FY 2011 - FY 2012 -																					
Delivery Dates: FY 2010 - Feb 10 FY 2011 - FY 2012 -																					

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): Combat Optics [MOD 1] TBD2

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Quantity	9405				4258				13663	
Hardware		6.4				3.0				9.4
Engineering Support		0.6				0.1				0.7
Integrated Logistical Support		0.1				0.1				0.2
Total Package Fielding		0.1				0.1				0.2
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
Fy 2015 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		7.2		0.0		3.3		0.0		10.5

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: Close Quarters Battle Kit [MOD 2] TBD3

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

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

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

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

Installation Schedule

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

  

1	2	3	4	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: installed by troops      ADMINISTRATIVE LEADTIME: 3 months      PRODUCTION LEADTIME: 2 months  
 Contract Dates: FY 2010 - Jan 10      FY 2011 -      FY 2012 -  
 Delivery Dates: FY 2010 - Feb 10      FY 2011 -      FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): Close Quarters Battle Kit [MOD 2] TBD3

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Kit Quantity /Hardware	35886	0.8	45552	1.2	1210	0.8			82648	2.8
Engineering Support		0.6				0.1				0.7
Integrated Logistic Support		0.1								0.1
Fielding		0.1								0.1
<b>Installation of Hardware</b>										
FY 2008 & Prior Equip -- Kits										
FY 2009 -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
FY 2015 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		1.6		1.2		0.9		0.0		3.7

**Exhibit P-40, Budget Item Justification Sheet**

Date: May 2009

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	147.9	23.1	3.8	6.2		180.9
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	147.9	23.1	3.8	6.2		180.9
Initial Spares						
Total Proc Cost	147.9	23.1	3.8	6.2		180.9
Flyaway U/C						
Weapon System Proc U/C						

**Description:**

This program procures modifications of small arms with a cost less than \$5.0 million to support initial buys or to meet urgent needs. It also includes the procurement of the M145 Machine Gun Optic Sights and the M150 Rifle 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 sights 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 sights also provide the Soldier with a greater hit probability. Also, provides other ancillary equipment such as the M3 Tripod and Lightweight Tripod for dismounted machine guns.

**Justification:**

FY10 Base procurement dollars in the amount of \$6.164 million supports the Army by purchasing 8,285 M145 Machine Gun Optics for the M240 Medium Machine Gun and M249 Squad Automatic Weapon systems, and 100 M205 Tripods for the M2 Heavy Machine Gun and MK-19 Grenade Machine Gun systems. The optic sight will allow the Soldier to identify and engage targets more effectively than the existing iron sighting system. The M205 Lightweight Tripod is a replacement for the current M3 Tripod.

<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Item Nomenclature MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) (GC0925)			
Program Elements for Code B Items:				Code:	Other Related Program Elements:	
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
M145 Machine Gun Optic						
TBD1	Operational	23.6	3.8	5.9	0.0	33.3
Tripods						
TBD2	Operational	0.0	0.0	0.3	0.0	0.3
Closed Mods						
TBD3		147.4	0.0	0.0	0.0	147.4
Totals		171.0	3.8	6.2	0.0	181.0

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

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

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

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

Installation Schedule

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

  

1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	To Complete	Totals	
																		FY 2014
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION: Troop Installation ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 4 months  
 Contract Dates: FY 2010 - Jan 10 FY 2011 - FY 2012 -  
 Delivery Dates: FY 2010 - Apr 10 FY 2011 - FY 2012 -



**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Quantity	31928		5421		8285				45634	
Hardware		19.6		3.6		5.2				28.4
Engineering Support		2.9		0.2		0.5				3.6
Testing		0.7								0.7
Integrated Logistical Support		0.2				0.1				0.3
Fielding		0.2				0.1				0.3
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		23.6		3.8		5.9		0.0		33.3

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: Tripods [MOD 2] TBD2

MODELS OF SYSTEM AFFECTED: Machine Gun, CAL .50 M2 and MK-19 Grenade Machine Gun

DESCRIPTION / JUSTIFICATION:  
M3 Tripods and M205 Lightweight Tripods (mount for M2/MK19 Machine Guns in dismounted role. M205 Tripod will reduce the Soldier burden as the current .50 caliber machine gun tripod (M3) weighs 44 pounds.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):  
 Developmental/Operational Test                      Dec 09 (Planned)  
 Type Classification - Standard                      Aug 10 (Planned)  
 First Unit Equipped                                      July 11(Planned)

Installation Schedule

Pr Yr	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

  

FY 2014	FY 2015				FY 2016				FY 2017				To Complete	Totals	
	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs															
Outputs															

METHOD OF IMPLEMENTATION: Field Application      ADMINISTRATIVE LEADTIME: 11 months      PRODUCTION LEADTIME: 6 months  
 Contract Dates:                      FY 2010 - Sept 10                      FY 2011 -                      FY 2012 -  
 Delivery Dates:                      FY 2010 - Feb 11                      FY 2011 -                      FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): Tripods [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RD&amp;E</b>									
<b>Procurement</b>										
Quantity Tripod					100				100	
M205 Tripod						0.2				0.2
Engineering, ILS, TPF Support						0.1				0.1
<b>Installation of Hardware</b>										
FY 2008 & Prior Equip -- Kits										
FY 2009 -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
FY 2015 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		0.0		0.3		0.0		0.3

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty					Continuing	Continuing
Gross Cost	98.6	7.5	2.2	5.6	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	98.6	7.5	2.2	5.6	Continuing	Continuing
Initial Spares						
Total Proc Cost	98.6	7.5	2.2	5.6	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<p><b>Description:</b> 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, personal defense weapons, and new small caliber weapons not to exceed 40MM and .50 caliber for initial buys or to meet urgent needs. Auxiliary weapon mounts, mounting platforms, and adaptors include the M3 Tripod (mount for M2/MK19 Machine Guns), the XM205 Lightweight Tripod (New Start FY2010), 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.</p> <p><b>Justification:</b> FY10 Base procurement dollars in the amount of \$0.600 million supports the Active Army by purchasing 759 M3 Tripods. FY10 OCO procurement dollars in the amount of \$5.000 million supports the Active Army by purchasing 11,200 M9 Pistols and 75 XM205 Tripods.</p>						

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)	Weapon System Type:	Date: May 2009
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WTCV Cost Elements	ID	FY 08			FY 09			FY 10		
	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	A	5562	17923	3.0	1891	4727	0.4	4500	11200	0.4
2.M3 Tripod	A							531	759	0.7
3.XM205 Lightweight Tripod (New Start)	A							260	75	3.5
4.Engineering Support		75			200			130		
5.Integrated Logistic Support		75			90			130		
6.M9 Pistol UID/RFID		210								
7.Base Security / National Guard		1589								
<b>Total:</b>		<b>7511</b>			<b>2181</b>			<b>5551</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1.M9 Pistols</b>										
FY 2008	Beretta U.S.A. Corp. Accokeek, MD	Option	TACOM, Rock Island, IL	Dec 07	Jan 08	17923	3.0			
FY 2009	TBD TBD	C/FFP	TACOM, Rock Island, IL	Aug 09	Oct 09	4727	0.4			
FY 2010	TBD TBD	TBD	TACOM, Rock Island, IL	Jan 10	Apr 10	11200	0.4			
<b>2.M3 Tripod</b>										
FY 2010	Fraser Mfg Corp Lexington, MI	Option	TACOM, Rock Island, IL	Jan 10	Mar 10	759	0.7			
<b>3.XM205 Lightweight Tripod (New Start)</b>										
FY 2010	TBD TBD	C/FFP	TACOM, Rock Island, IL	Feb 10	Mar 10	75	3.5			

REMARKS:

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												Later									
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08												Calendar Year 09																					
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										
1.M9 Pistols																																							
1	FY 08	A	17923	0	17923			A	750	750	231					750	494	1573					2900					2900	2452	2650	453	653	653	553	161			0	
2	FY 09	A	4727	0	4727																															A			4727
2	FY 10	A	11200	0	11200																																		11200
1	FY 08	AF	3156	0	3156																														692	1553			911
1	FY 08	FMS	12815	0	12815						100	14			252												98	470	200	200	300							11181	
1	FY 08	NA	4300	0	4300																		500								750	750	750	750	750	750	750	50	0
2.M3 Tripod																																							
3	FY 10	A	759	0	759																																		759
3.XM205 Lightweight Tripod (New Start)																																							
4	FY 10	A	75	0	75																																		75
Total																																							
					54955				750	750	231	100	14	750	494	1825	500	2900						2900	2452	2748	1673	1603	1603	1603	1603	1603	1603	1603	1603	28853			

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
				1								
1	Beretta U.S.A. Corp., Accokeek, MD	1360	8280	34800	6	1	Initial	1	3	7	10	
							Reorder	2	3	6	9	
2	TBD, TBD	1400	3500	34800		2	Initial	2	3	4	7	
3	Fraser Mfg Corp, Lexington, MI	100	200	7200	2		Reorder	2	3	3	6	
4	TBD, TBD	150	400	4800		3	Initial	2	3	3	6	
							Reorder	2	3	3	6	
						4	Initial	2	3	3	6	
							Reorder	2	3	3	6	
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
1.M9 Pistols																														
1	FY 08	A	17923	17923																								0		
2	FY 09	A	4727	0	4727	788	788	788	788	788	787																	0		
2	FY 10	A	11200	0	11200				A			940	940	940	940	940	940	940	940	940	940	900	900					0		
1	FY 08	AF	3156	2245	911	527	384																					0		
1	FY 08	FMS	12815	1634	11181	288	431	811	754	815	816	663	663	663	663	663	663	663	663	663	663	636						0		
1	FY 08	NA	4300	4300																								0		
2.M3 Tripod																														
3	FY 10	A	759	0	759				A			150	150	150	150	159												0		
3.XM205 Lightweight Tripod (New Start)																														
4	FY 10	A	75	0	75					A	75																	0		
Total																														
					28853	1603	1603	1599	1542	1603	1828	1753	1753	1753	1762	1603	1603	1603	1603	1603	1603	1536	900							
					O C T	N O V	D E C	J A N	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		

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		Initial		Reorder							
1	Beretta U.S.A. Corp., Accokeek, MD	1360	8280	34800	6	1	3	7	10		
2	TBD, TBD	1400	3500	34800		2	3	4	7		
3	Fraser Mfg Corp, Lexington, MI	100	200	7200	2	2	3	3	6		
4	TBD, TBD	150	400	4800		3	3	3	6		
						4	3	3	6		
							3	3	6		
							2	3	6		
							2	3	6		



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature PRODUCTION BASE SUPPORT (WOCV-WTCV) (GC0050)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	362.6	27.6	20.0	9.9		420.1
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	362.6	27.6	20.0	9.9		420.1
Initial Spares						
Total Proc Cost	362.6	27.6	20.0	9.9		420.1
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> 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; Yuma Proving Grounds, AZ; Rock Island Arsenal; and 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.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$9.855 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 and the M242 Bushmaster Chain Gun. PIF projects are essential in fulfilling current and projected surge/contingency operations requirements in direct support of OCO. The establishment of a large capacity mill at Rock Island Arsenal is critical in enabling the army to meet both small arms and medium caliber weapon requirements supporting OCO. 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 benefits the entire Army. Production of small to large caliber weapons systems at Rock Island Arsenal (RIA) - Joint Manufacturing & Technology Center (JMTC) - equipment request supports manufacturing capabilities such as small arms spare parts and gages (e.g. 50-caliber M2 Machine Gun, MK19, M4/16 Rifle) and larger manufacturing capabilities (miscellaneous armor, spares, M119 spares). The Small Arms repair parts manufacturing focus factory requires high volume (parts count-wise) and a smaller work envelope than current machines. Equipment is not unique to small arms parts production but does represent a part size or quantity requirement that is not economically satisfied by current equipment mix. Upgrade or replacement of technically or economically obsolete production equipment (either 1946 vintage or last replaced in 1976) will ensure increased efficiencies with decreased costs and risk to Army.						

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: PRODUCTION BASE SUPPORT (WOCV-WTCV) (GC0050)	Weapon System Type:	Date: May 2009
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WTCV Cost Elements	ID	FY 08			FY 09			FY 10		
	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		6041			6028			9343		
LIF		21575			13958			512		
<b>Total:</b>		<b>27616</b>			<b>19986</b>			<b>9855</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature PIF2 OMNIBUS (WOCV-WTCV) (GC2001)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	287.4	4.3	4.4	9.3	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	287.4	4.3	4.4	9.3	Continuing	Continuing
Initial Spares						
Total Proc Cost	287.4	4.3	4.4	9.3	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

**Description:**  
 This program provides funding to the Army Test and Evaluation Command (ATEC), Developmental Test Command (DTC) to establish, modernize, expand or replace test facilities used in 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 avoidance 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, and large capacity mills at Rock Island Arsenal.

**Justification:**  
 ATEC: At ATC, FY10 Base procurement dollars in the amount of \$9.343 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; upgrade of instrumentation and equipment used in the Light Armor Range Complex for ballistic testing of armor plate; and replacement of antiquated mobile temperature conditioning units (cold chambers), instrumentation and equipment controls, and tanks that store and distribute carbon dioxide (CO2) used to provide ambient and low temperature environmental conditioning of test items. At WSMR, FY 2010 procures replacement instrumentation in WSMR's nuclear, directed energy, and Electromagnetic Environment Effects (E3) test simulators, which, due to excessive use, age, deterioration of components, new mission requirements, and/or outdated technology--no longer meets regulatory, customer and/or mission requirements. At YPG, FY 2010 procures high speed digital imaging cameras for vehicle fire control testing that will follow a direct fire projectile's flight path in lieu of using many cameras lined along the flight path; development and integration of a next generation ballistic system replacing multiple, failing data acquisition systems; on-board data acquisition and recording equipment for collecting vehicle performance data in harsh desert environments; and replacement of aged dynamometer truck data collection equipment that is used during vehicle drawbar pull and full-load cooling tests, with modernized data loggers that provide multiple data displays in real time. The majority of the instrumentation being upgraded or replaced is obsolete and has met or exceeded its economic life. This instrumentation is required to ensure complete and accurate test data is collected and safety and environmental hazards are minimized. PIF projects are essential in fulfilling current and projected surge/contingency operations requirements in direct support of Overseas Contingency Operations (OCO). The establishment of a large

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles		P-1 Item Nomenclature PIF2 OMNIBUS (WOCV-WTCV) (GC2001)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>capacity mill at Rock Island Arsenal is critical in enabling the army to meet both small arms and medium caliber weapon requirements supporting OCO.</p> <p>FY10 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. Due to pressing need to repair and overhaul these forges, funding needs to be at least doubled for the requested amount in 2010 to accelerate refurbishing operations to prevent catastrophic failure of these 23-year-old forges for which there is no back-up in the US supply base.</p>		

**Exhibit P-40C, Budget Item Justification Sheet**

Date: May 2009

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

P-1 Item Nomenclature  
PIF2 OMNIBUS (WOCV-WTCV) (GC2001)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

<u>Location</u>	<u>Project Title</u>	<u>Project</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
<u>Production Support</u>					
GDLS	Hot & Cold Forge	U7668			422
Rock Island Arsenal - JMTC	Large Capacity Mills (Small Arms)	U7669			4240
ATEC	ATEC	00000	4325	4396	4681
	<b>Subtotal - Production</b>		<b>4,325</b>	<b>4,396</b>	<b>9,343</b>
 <u>Environmental</u>					
	<b>Subtotal - Environmental</b>		<b>0</b>	<b>0</b>	<b>0</b>
	<b>Total Industrial Facilities</b>		<b>4,325</b>	<b>4,396</b>	<b>9,343</b>

<b>Exhibit P-25, Production Support and Industrial Facilities Cost Analysis (<i>Dollars in Thousands</i>)</b>							1. Date: May 2009					
2. Project Title/Type Hot & Cold Forge				3. End Item Supported Model Not Applicable								
4. Project Number: U7668		5. Annual Capacity Before (1-8-5) N/A			6. Annual Capacity After (1-8-5): N/A							
<b>Element of Cost</b>		<b>FY 08</b>	<b>FY 09</b>	<b>FY 10</b>	<b>H. Facility</b>							
<b>A. Construction Cost</b> <b>B. Equipment Cost*</b> (Individual equipment cost should be specified for all equipment costing more than \$0.5 Million) <ul style="list-style-type: none"> <li>1. Hot &amp; Cold Forge</li> <li>2.</li> <li>3.</li> </ul> <b>Subtotal Costs</b>				422	1. Name: <u>GDLS</u>							
					2. Location: <u>Saco, ME</u>							
<b>C. Equipment Installation Cost</b> <b>D. Contractor Support Cost</b> <b>E. Corps of Engineers Support Cost</b> <b>F. Other In-House Support Cost</b> <b>Total Facility Project Cost</b>				422	3. Type (GOGO, GOCO, COCO): <u>GOCO</u>							
					<b>I. Related Projects</b>							
<b>G. Other Costs</b> <ul style="list-style-type: none"> <li>1. Facility Prove-out Cost</li> <li>2. Material Construction Appn.</li> </ul>				422	Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date	
<b>Narrative Explanation:</b>				422	<b>J. Principal Milestones</b>				<b>Month &amp; Year</b>			
					1. Concept Design Complete:				<u>Not Applicable</u>			
					2. Final Design Complete:				<u>Not Applicable</u>			
					3. Initial/Final Project Award:				<u>Not Applicable</u>			
					4. Construction Complete:				<u>Not Applicable</u>			
					5. Equipment Installation Complete:				<u>Not Applicable</u>			
					6. Prove Out Begins:				<u>Not Applicable</u>			
					7. Prove Out Complete:				<u>Not Applicable</u>			

Exhibit P-25, Production Support and Industrial Facilities Cost Analysis ( <i>Dollars in Thousands</i> )							1. Date: May 2009				
2. Project Title/Type Large Capacity Mills (Small Arms)				3. End Item Supported Model Not Applicable							
4. Project Number: U7669		5. Annual Capacity Before (1-8-5) N/A			6. Annual Capacity After (1-8-5): N/A						
Element of Cost		FY 08	FY 09	FY 10	H. Facility						
<b>A. Construction Cost</b>					1. Name: <u>Rock Island Arsenal - JMTC</u>						
<b>B. Equipment Cost*</b> (Individual equipment cost should be specified for all equipment costing more than \$0.5 Million)					2. Location: <u>Rock island, IL</u>						
1. Large Capacity Mills				4240	3. Type (GOGO, GOCO, COCO): <u>GOGO</u>						
2.					<b>I. Related Projects</b>						
3.					Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date
<b>Subtotal Costs</b>				4240							
<b>C. Equipment Installation Cost</b>											
<b>D. Contractor Support Cost</b>											
<b>E. Corps of Engineers Support Cost</b>											
<b>F. Other In-House Support Cost</b>											
<b>Total Facility Project Cost</b>				4240							
<b>G. Other Costs</b>					<b>J. Principal Milestones</b>						
1. Facility Prove-out Cost					1. Concept Design Complete: <u>Not Applicable</u>						
2. Material Construction Appn.					2. Final Design Complete: <u>Not Applicable</u>						
					3. Initial/Final Project Award: <u>Not Applicable</u>						
					4. Construction Complete: <u>Not Applicable</u>						
					5. Equipment Installation Complete: <u>Not Applicable</u>						
					6. Prove Out Begins: <u>Not Applicable</u>						
					7. Prove Out Complete: <u>Not Applicable</u>						
<b>Narrative Explanation:</b> Replacement of our large capacity mills. One of our large mills is 1946 vintage and another was made circa 1976. By embracing current technology and capabilities, not only can support workload be migrated off the existing large capacity mills, but general production workload could also be processed in a more efficient manner.											

Exhibit P-25, Production Support and Industrial Facilities Cost Analysis ( <i>Dollars in Thousands</i> )							1. Date: May 2009				
2. Project Title/Type ATEC			3. End Item Supported Model Not Applicable								
4. Project Number: 00000		5. Annual Capacity Before (1-8-5) N/A			6. Annual Capacity After (1-8-5): N/A						
Element of Cost		FY 08	FY 09	FY 10	H. Facility						
<b>A. Construction Cost</b>					1. Name: <u>ATEC</u>						
<b>B. Equipment Cost*</b> (Individual equipment cost should be specified for all equipment costing more than \$0.5 Million)					2. Location: <u>ATEC</u>						
1.		4325	4396	4681	3. Type (GOGO, GOCO, COCO): <u>-</u>						
2.					<b>I. Related Projects</b>						
3.					Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date
<b>Subtotal Costs</b>		4325	4396	4681							
<b>C. Equipment Installation Cost</b>											
<b>D. Contractor Support Cost</b>											
<b>E. Corps of Engineers Support Cost</b>											
<b>F. Other In-House Support Cost</b>											
<b>Total Facility Project Cost</b>		4325	4396	4681							
<b>G. Other Costs</b>					<b>J. Principal Milestones</b>						
1. Facility Prove-out Cost					1. Concept Design Complete: <u>Not Applicable</u>						
2. Material Construction Appn.					2. Final Design Complete: <u>Not Applicable</u>						
					3. Initial/Final Project Award: <u>Not Applicable</u>						
					4. Construction Complete: <u>Not Applicable</u>						
					5. Equipment Installation Complete: <u>Not Applicable</u>						
					6. Prove Out Begins: <u>Not Applicable</u>						
					7. Prove Out Complete: <u>Not Applicable</u>						
<b>Narrative Explanation:</b>											



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature LAYAWAY OF INDUSTRIAL FACILITIES (GC2100)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	75.2	23.3	15.6	0.5		114.6
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	75.2	23.3	15.6	0.5		114.6
Initial Spares						
Total Proc Cost	75.2	23.3	15.6	0.5		114.6
Flyaway U/C						
Weapon System Proc U/C						
<p><b>Description:</b> 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. Also provides for 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.</p> <p>The Arsenal Support Program Initiative (ASPI) incentive funding 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 FY2001 Defense Authorization Act (PL 106-398) and subsequently extended the program through FY2008. 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.</p> <p><b>Justification:</b> FY10 Base procurement dollars in the amount of \$.512 supports continue footprint reduction efforts at Watervliet Arsenal. 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.</p>						

**Exhibit P-40C, Budget Item Justification Sheet**

Date: May 2009

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

<u>Location</u>	<u>Project Title</u>	<u>Project</u>	<u>FY 08</u>	<u>FY 09</u>	<u>FY 10</u>
Rock Island ArsenalRock Island, Illinois	Layaway of Industrial Facilities (LIF)	U7667	2.191	2.130	
Watervliet ArsenalWatervliet, New York	Layaway of Industrial Facilities (LIF)	U7667			0.512
Rock Island, Arsenal Rock Island, Illinois	Arsenal Support Program Initiative (ASPI)	A7667	11.500	8.475	
Watervliet ArsenalWatervliet, New York	Arsenal Support Program Initiative (ASPI)	A7667	9.600	4.985	
	Total		23.291	15.590	0.512

<b>Exhibit P-17, Layaway and/or Distribution</b>			Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles		P-1 Item Nomenclature LAYAWAY OF INDUSTRIAL FACILITIES (GC2100)	
Project: U7667	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>
Funding:	2.191	2.130	
Title: Layaway of Industrial Facilities (LIF) Description:			
<b>Manufacturer (Name and Location)</b> Rock Island ArsenalRock Island, Illinois		<b>Production Lines being laid away (Include Location)</b> Areas in Building 208/212/220	
<b>Layaway Cost:</b> 0.827		<b>Production Ends</b> Continuous	
<b>Other Costs:</b>		<b>Annual Maintenance Cost:</b>	
Project: U7667	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>
Funding:			0.512
Title: Layaway of Industrial Facilities (LIF) Description: FY2010 effort will excess twelve (12) machines, to include foundation fill-ins and floor restoration.			
<b>Manufacturer (Name and Location)</b> Watervliet ArsenalWatervliet, New York		<b>Production Lines being laid away (Include Location)</b> Areas in Building 20, 25, 35, 110, 135	
<b>Layaway Cost:</b>		<b>Production Ends</b> Continuous	
<b>Other Costs:</b>		<b>Annual Maintenance Cost:</b>	
Project: A7667	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>
Funding:	11.500	8.475	
Title: Arsenal Support Program Initiative (ASPI) Description:			
<b>Manufacturer (Name and Location)</b> Rock Island, Arsenal Rock Island, Illinois		<b>Production Lines being laid away (Include Location)</b>	
<b>Layaway Cost:</b>		<b>Production Ends</b>	
<b>Other Costs:</b>		<b>Annual Maintenance Cost:</b>	
Project: A7667	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>
Funding:	9.600	4.985	
Title: Arsenal Support Program Initiative (ASPI) Description:			
<b>Manufacturer (Name and Location)</b> Watervliet ArsenalWatervliet, New York		<b>Production Lines being laid away (Include Location)</b>	
<b>Layaway Cost:</b>		<b>Production Ends</b>	
<b>Other Costs:</b>		<b>Annual Maintenance Cost:</b>	

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature INDUSTRIAL PREPAREDNESS (GC0075)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	175.6	0.9	7.3	0.4		184.3
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	175.6	0.9	7.3	0.4		184.3
Initial Spares						
Total Proc Cost	175.6	0.9	7.3	0.4		184.3
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> 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. 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).						
<b>Justification:</b> FY10 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.						

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: INDUSTRIAL PREPAREDNESS (GC0075)			Weapon System Type:	Date: May 2009					
WTCV Cost Elements		ID	FY 08			FY 09			FY 10		
		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
Hawthorne Army Depot											
Rock Island Arsenal			945			3094					
Watervliet Arsenal									392		
Arsenal Support Program Initiative(ASPI)											
Joint Mfg Tech Center (JMTC) Add						4188					
<b>Total:</b>			<b>945</b>			<b>7282</b>			<b>392</b>		

<b>Exhibit P-26, Maintenance of Inactive Industrial Facilities</b>		Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army/2/Weapons and other combat vehicles		Date: May 2009
Inactive Lines at Contractor Plants		Facility: Hawthorne Army Depot		Contractor: Day & Zimmerman, Hawthorne Corporation
<b>Funding</b>	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>	
MAINTENANCE				
RECURRING				
ENVIRONMENTAL				
OTHER				
Description:				
Inactive Lines at Active Plants		Facility: Rock Island Arsenal		Contractor: Not Applicable
<b>Funding</b>	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>	
MAINTENANCE	945	3094		
RECURRING				
ENVIRONMENTAL				
OTHER				
Description:				
Inactive Lines at Active Plants		Facility: Watervliet Arsenal		Contractor: Not Applicable
<b>Funding</b>	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>	
MAINTENANCE			392	
RECURRING				
ENVIRONMENTAL				
OTHER				
Description: FY10/11 funding is for the maintenance of laid away portions of active weapons production plants and the storage, protection, and maintenance of laid away Government-owned equipment being stored on-site at Watervliet Arsenal (WVA). Funds are used for maintenance of laid away weapons production facilities to include utilities, buildings, nonseverable equipment, plant equipment, special tooling (ST), and special test equipment (STE) being retained as part of approved plant equipment packages (PEPs) which are required to support future replenishment requirements. Also, includes a fair share of the recurring overhead costs such as grounds maintenance, fire protection, plant security, and administrative support.				
Inactive Lines at Active Plants		Facility: Arsenal Support Program Initiative(ASPI)		Contractor:
<b>Funding</b>	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>	
MAINTENANCE				
RECURRING				
ENVIRONMENTAL				
OTHER				

<b>Exhibit P-26, Maintenance of Inactive Industrial Facilities</b>	Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army/2/Weapons and other combat vehicles	Date: May 2009
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Description:

Inactive Lines at Active Plants	Facility: Joint Mfg Tech Center (JMTC) Add	Contractor:
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<b>Funding</b>	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>
MAINTENANCE			
RECURRING			
ENVIRONMENTAL			
OTHER		4188	

Description:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) (GC0076)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	131.5	12.0	1.2	5.0		149.7
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	131.5	12.0	1.2	5.0		149.7
Initial Spares						
Total Proc Cost	131.5	12.0	1.2	5.0		149.7
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> 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).						
<b>Justification:</b> FY10 procures the Advanced Sniper Accessory Kit (New Initiative), Close Combat Mission Capability Kit, Laser Range Finder and Clip-on Sniper Night Sight for SEP. The Advanced Sniper Accessory Kit provides the sniper teams performance enhancing capabilities such as a Laser Range Finder, a Ballistic Computer, a Boresight Device, etc.						



WTCV Cost Elements	ID CD	FY 08			FY 09			FY 10		
		Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000
HARDWARE										
Advanced Sniper Accessory Kit	B	6019	1568	3.8				3012	1140	2.6
Close Combat Mission Capability Kit	B	3170	29808	0.1	400	8240	0.1			
Laser Range Finder	B	2763	8771	0.3				2000	6667	0.3
ENGINEERING SUPPORT					746					
PM SUPPORT					100					
FY08 Supplemental										
<b>Total:</b>		<b>11952</b>			<b>1246</b>			<b>5012</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles			Weapon System Type:		P-1 Line Item Nomenclature: SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) (GC0076)					
<b>Advanced Sniper Accessory Kit</b>										
FY 2008	TBD	Options	JM&L LCMC, Picatinny	Jan 09	Apr 09	1568	3.8			
	TBD									
FY 2010	TBD	Options	JM&L LCMC, Picatinny	Dec 09	Jul 10	1140	2.6	Yes		
	TBD									
<b>Close Combat Mission Capability Kit</b>										
FY 2008	UTM Suffolk, UK	Options	PEO STRI	Apr 08	Mar 09	29808	0.1			
FY 2009	UTM Suffolk, UK	C/FP	JM&L LCMC, Picatinny	Feb 09	Mar 09	8240	0.1	Yes		
<b>Laser Range Finder</b>										
FY 2008	Bushnell Corp. Overland Park, KS	SS/FP	JM&L LCMC, Picatinny	Jul 08	Feb 09	8771	0.3			
FY 2010	Bushnell Corp. Overland Park, KS	SS/FP	JM&L LCMC, Picatinny	Dec 09	Feb 10	6667	0.3	Yes		

REMARKS:



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) (GC0076)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	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	
Advanced Sniper Accessory Kit																														
2	FY 08	A	1568	600	968	100	100	100	100	100	100	100	100	100	68														0	
2	FY 10	A	1140	0	1140				A						32	100	100	100	101	101	101	101	101	101	101	101	101	101	0	
Close Combat Mission Capability Kit																														
1	FY 07 P	A	6543	6543																									0	
1	FY 08	A	29808	29808																									0	
1	FY 09	A	8240	8240																									0	
Laser Range Finder																														
3	FY 07 P	A	11301	11301																									0	
3	FY 08	A	8771	8771																									0	
3	FY 10	A	6667	0	6667				A		600	2000	2000	2000	67														0	
Total						8775	100	100	100	100	700	2100	2100	2100	167	100	100	100	100	101	101	101	101	101	101	101	101	101		
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	UTM, Suffolk, UK	5000	360000	500000		1	Initial	1	2	8	10	Since there is no FY09 procurement funding, the deliveries from the FY08 procurement funds are being stretched out to avoid a break in production.
						1	Reorder	1	2	8	10	
2	TBD, TBD	100	1200	2680		2	Initial	2	4	2	6	
						2	Reorder	2	2	2	4	
						3	Initial	2	2	3	5	
						3	Reorder	2	2	3	5	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles				P-1 Item Nomenclature M14 7.62 RIFLE MODS (GZ2801)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	11.0			5.8		16.8
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	11.0			5.8		16.8
Initial Spares						
Total Proc Cost	11.0			5.8		16.8
Flyaway U/C						
Weapon System Proc U/C						
<p><b>Description:</b> The M14 Rifle Modification Program provides a modified M14 Rifle with items that enhance the Soldier's target engagement. These items include Combat Optics, Laser Filter Unit Kits, Cleaning Kits, Bipods, Mark 4 Sights, Improved Buttstocks and other ancillary items that support the M14 Enhanced Battle Rifle (EBR). The M14 EBR provides units with a weapon system to engage targets to 800 meters.</p> <p><b>Justification:</b> FY10 Overseas Contingency Operations (OCO) procurement dollars in the amount of \$5.800 million supports the Army by purchasing the Enhanced Battle Rifle Kits which include a Combat Optic, Laser Filter Unit Kit, Cleaning Kit, Bipod, Mark 4 Sight, Improved Buttstock and other ancillary items that supports the M14 Enhanced Battle Rifle (EBR). The M14 EBR provides units with a weapon system to engage targets to 800 meters. This system will aid the Squad Designated Marksmen and Snipers within a unit to fill voids in the current equipping strategy and provides the Commander with additional capability. This weapon system allows for the engagement of enemy targets to 800 meters which is beyond the capability of the M4/M16 family of weapons. The M14 EBR provides the unit with a modified M14 Rifle utilizing several low cost items to increase lethality and survivability.</p>						

<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles			P-1 Item Nomenclature M14 7.62 RIFLE MODS (GZ2801)			
Program Elements for Code B Items:				Code:	Other Related Program Elements:	
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
EBR Kit						
TBD	Operational	11.0	0.0	5.8	0.0	16.8
Totals		11.0	0.0	5.8	0.0	16.8

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: EBR Kit [MOD 1] TBD

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

The M14 Enhanced Battle Rifle provides a Combat Optic, Laser Filter Unit Kit, Cleaning Kit, Bipod, Mark 4 Sight, Improved Buttstock and other ancillary items that support the M14 Enhanced Battle Rifle (EBR).

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

First Unit Equipped 3Q08

Installation Schedule

Pr Yr	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

  

Pr Yr	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: TACOM, Rock Island

ADMINISTRATIVE LEADTIME:

3 months

PRODUCTION LEADTIME: 3 months

Contract Dates:

FY 2010 - Jan 10

FY 2011 -

FY 2012 -

Delivery Dates:

FY 2010 - Apr 10

FY 2011 -

FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): EBR Kit [MOD 1] TBD

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Hardware	3925	11.0			1075	5.8			5000	16.8
<b>Installation of Hardware</b>										
FY 2008 & Prior Equip -- Kits										
FY 2009 -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
FY 2015 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		11.0		0.0		5.8		0.0		16.8