

DEPARTMENT OF THE ARMY

Procurement Programs



Committee Staff Procurement Backup Book
Fiscal Year (FY) 2011 Budget Estimates

WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

APPROPRIATION

February 2010

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

APPROPRIATION LANGUAGE

For construction, procurement, production, and modification of weapons and tracked combat vehicles, equipment, including ordnance, spare parts, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefore, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$2,411,061,000, to remain available for obligation until September 30, 2013.

	<i>SUB-ACTIVITY TOTAL</i>			<u>2,103,037</u>		<u>839,683</u>		<u>299,545</u>		<u>299,545</u>
	<i>MODIFICATION OF TRACKED COMBAT VEHICLES</i>									
8	STRYKER (MOD) (GM0100)	A						146,352	445,000	591,352
9	FIST VEHICLE (MOD) (GZ2300)			28,927		70,087		31,083		31,083
10	BRADLEY PROGRAM (MOD) (GZ2400)	A		1,095,588		768,332		215,133		215,133
11	HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)	A		36,428		42,608		105,277		105,277
12	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)	A	91	254,110	24	96,515	17	69,609	17	69,609
13	ARMORED BREACHER VEHICLE (G82925)	A			13	63,055	17	77,930	17	77,930
14	M88 FOV MODS (G80571)	A						9,157		9,157
15	JOINT ASSAULT BRIDGE (GZ3001)	A	2	10,014	22	70,419	9	44,133	9	44,133
16	M1 ABRAMS TANK (MOD) (GA0700)	A		737,057		183,262		230,907		230,907
17	ABRAMS UPGRADE PROGRAM (GA0750)	A	111	580,543	22	185,038	21	183,000	21	183,000
	<i>SUB-ACTIVITY TOTAL</i>			<u>2,742,667</u>		<u>1,479,316</u>		<u>1,112,581</u>	<u>445,000</u>	<u>1,557,581</u>
	<i>SUPPORT EQUIPMENT AND FACILITIES</i>									
18	PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050)			7,115		6,581		3,145		3,145
	<i>SUB-ACTIVITY TOTAL</i>			<u>7,115</u>		<u>6,581</u>		<u>3,145</u>		<u>3,145</u>
	ACTIVITY TOTAL			<u>4,852,819</u>		<u>2,325,580</u>		<u>1,415,271</u>	<u>445,000</u>	<u>1,860,271</u>
	<i>WEAPONS AND OTHER COMBAT VEHICLES</i>									
19	HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)	A	90	112,598	70	95,336	2	5,575	2	5,575
20	M240 Medium Machine Gun (7.62mm) (G13000)	A	8,416	83,990	1,400	23,446	1,655	28,179	1,655	28,179
21	MACHINE GUN, CAL .50 M2 ROLL (GB2000)	A	7,568	99,586	6,330	84,327	5,900	79,496	5,900	79,496
22	LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)	A				974	350	18,941	350	18,941
23	M249 SAW Machine Gun (5.56mm) (G12900)	A	5,150	22,069	1,550	7,512				
24	MK-19 Grenade Machine Gun (40mm) (G13400)	A	976	17,277	349	7,676	238	4,465	238	4,465
25	Mortar Systems (G02200)		351	16,975	315	14,733	138	17,082	136	8,600
26	M107, CAL. 50, SNIPER RIFLE (G01500)			222		223		235		235
27	XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)	A	7,857	21,036	7,324	29,874	3,869	16,282	####	22,500
28	M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)	A	439	7,385	422	6,204	155	5,159		155

29	M4 Carbine (G14904)	A	29,290	52,046	12,000	20,437	11,494	20,180	####	20,180	
30	SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)	A	4,884	9,070			3,659	7,153	3,659	7,153	
31	Common Remotely Operated Weapons Station (CROWS) (G04700)		2,423	601,500	2,106	495,000		425	100,000	425	100,000
32	HANDGUN (G15325)	A	2,895	1,570	5,000	3,379	5,000	3,371	5,000	3,371	
33	HOWITZER LT WT 155MM (T) (G01700)		38	120,871	53	157,415		14	62,000	14	62,000
	<i>SUB-ACTIVITY TOTAL</i>			<u>1,166,195</u>		<u>946,536</u>		<u>206,118</u>	<u>193,100</u>	<u>399,218</u>	
	<i>MODIFICATION OF WEAPONS AND OTHER COMBAT VEHICLES</i>										
34	MK-19 Grenade Machine Gun MODS (GB3000)			7,631		8,139		4,286		4,286	
35	M4 CARBINE MODS (GB3007)	A		16,746		31,375		14,044	12,900	26,944	
36	M2 50 Cal Machine Gun MODS (GB4000)	B				35,314			15,000	15,000	
37	M249 SAW Machine Gun MODS (GZ1290)			11,067		28,709		5,922		5,922	
38	M240 Medium Machine Gun MODS (GZ1300)	A		17,066		22,709		15,852		15,852	
39	M119 MODIFICATIONS (GC0401)	A		961		46,478		39,810	21,500	61,310	
40	M16 RIFLE MODS (GZ2800)	A		1,178		4,173		3,855		3,855	
41	M14 7.62 RIFLE MODS (GZ2801)	A		1,904		5,800					
42	MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) (GC0925)			3,752		8,538		6,083		6,083	
	<i>SUB-ACTIVITY TOTAL</i>			<u>60,305</u>		<u>191,235</u>		<u>89,852</u>	<u>49,400</u>	<u>139,252</u>	
	<i>SUPPORT EQUIPMENT AND FACILITIES</i>										
43	ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)			12,373		5,549					
44	PRODUCTION BASE SUPPORT (WOCV-WTCV) (GC0050)			26,874		23,781		7,869		7,869	
45	INDUSTRIAL PREPAREDNESS (GC0075)			394		391		409		409	
46	SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) (GC0076)			1,246		4,997		4,042		4,042	
47	CLOSED ACCOUNT ADJUSTMENTS (GC9500)			17							
	<i>SUB-ACTIVITY TOTAL</i>			<u>40,904</u>		<u>34,718</u>		<u>12,320</u>		<u>12,320</u>	
	ACTIVITY TOTAL			<u>1,267,404</u>		<u>1,172,489</u>		<u>308,290</u>	<u>242,500</u>	<u>550,790</u>	
	APPROPRIATION TOTAL			<u>6,120,223</u>		<u>3,498,069</u>		<u>1,723,561</u>	<u>687,500</u>	<u>2,411,061</u>	

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Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	4278	94								4372
Gross Cost	9957.0	394.8								10351.8
Less PY Adv Proc	19.8									19.8
Plus CY Adv Proc	19.8									19.8
Net Proc P1	9957.0	394.8								10351.8
Initial Spares	137.6									137.6
Total Proc Cost	10094.6	394.8								10489.4
Flyaway U/C										
Weapon System Proc U/C										

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 complements the M1A2 Abrams SEP (System Enhancement Program) tank. All systems will be acquired through the Public-Private Partnership (P3) between the original equipment manufacture (OEM), BAE, and Red River Army Depot. The P3 is the mechanism to provide long-term sustainment and modernization of the Bradley Vehicle Fleet.

Justification:

FY11: No funds requested.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: BRADLEY PROGRAM (G80718)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	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)		394800	94	4200						
BRADLEY PROGRAM (A3)										
Total:		394800								

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature BRADLEY PROGRAM (M2A3) (G80717)
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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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	2352	94								2446
Gross Cost	7373.7	394.8								7768.5
Less PY Adv Proc	19.8									19.8
Plus CY Adv Proc	19.8									19.8
Net Proc P1	7373.7	394.8								7768.5
Initial Spares	137.6									137.6
Total Proc Cost	7511.2	394.8								7906.0
Flyaway U/C										
Weapon System Proc U/C										

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 complements the M1A2 Abrams SEP (System Enhancement Program) tank. All systems will be acquired through the Public-Private Partnership (P3) between the original equipment manufacture (OEM), BAE, and Red River Army Depot. The P3 is the mechanism to provide long-term sustainment and modernization of the Bradley Vehicle Fleet.

Justification:
FY11: No funds requested.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No:	P-1 Line Item Nomenclature:	Weapon System Type:	Date:
	Procurement of W&TCV, Army / 1 / Tracked combat vehicles	BRADLEY PROGRAM (M2A3) (G80717)		February 2010

WTCV Cost Elements	ID CD	FY 09			FY 10			FY 11		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
HARDWARE										
Vehicle	A	253800	94	2700						
Forward Looking Infrared (FLIR)		19159								
Other GFE New		23911								
Other GFE Reman										
Sub total		296870								
Other Production Cost										
Engineering - Government		10000								
Engineering - Contractor		44930								
Project Management Administration		7500								
Reimbursable Matrix Support		7500								
Test		5000								
Sub total		74930								
Peculiar Support Equipment										
Fielding		8500								
A3 Diagnostics										
Training Devices		14500								
Sub Total		23000								
GROSS P-1 END COST		394800								
LESS: PRIOR YEAR ADV PROC		-								
NET P-1 FULL FUNDING COST										
PLUS: P-1 CY ADV PROC										
OTHER NON P-1 COSTS										
INITIAL SPARES										
MODS										
TOTAL										
Total:		394800								

Exhibit P-5a, Budget Procurement History and Planning	Date: February 2010
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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)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Vehicle FY 2009	BAE YORK PA	SS/FFP	TACOM	Jul 09	Feb 11	94	2700	YES		

REMARKS:

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	

Vehicle																																
1	FY 07	A	670	246	424	37	10	2	56	43	56	29	37	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	
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		
						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			1	Initial			
1	BAE, YORK PA	144	300	984		1	0	6	15	21	
							0	10	19	29	

FY 11 / 12 BUDGET PRODUCTION SCHEDULE

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

Date:
February 2010

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	
Vehicle																														
1	FY 07	A	670	670																								0		
1	FY 08	A	524	390	134	40	40	20	34																			0		
1	FY 09	A	94	0	94					31	31	32																0		
Total					228	40	40	20	34	31	31	32																		
						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	BAE, YORK PA	144	300	984		1	Initial	0	6	15	21	
							Reorder	0	10	19	29	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	116.4	11.0								127.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	116.4	11.0								127.3
Initial Spares										
Total Proc Cost	116.4	11.0								127.3
Flyaway U/C										
Weapon System Proc U/C										

Description:

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

Justification:

FY11: No funds requested.

Exhibit P-40M, Budget Item Justification Sheet										Date: February 2010	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles					P-1 Item Nomenclature BRADLEY TRAINING DEVICES (MOD) (GZ2500)						
Appropriation / Budget Activity / Serial No:					P-1 Item Nomenclature						
Program Elements for Code B Items:						Code: A		Other Related Program Elements: 0203735.371			
Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TC	Total
Close Combat Tactical Trainer											
1-01-05-0010	Operational	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0
Appended Devices											
1-99-05-4567	Operational	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7
Bradley Advanced Training Systems											
2-02-05-0010	Operational	19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9
Software Upgrades											
1-96-05-4513	Operational	23.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.3
Maintenance Trainer Mods											
1-99-05-4568	Operational	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2
Prior Year Closed Modifications											
0-00-00-0000		13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6
Conduct of Fire Trainer Recap Program											
0-00-00-0000	Operational	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1
Gunnery Trainers ARNG											
0-00-00-0000		0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
Totals		116.4	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127.4

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Appended Devices [MOD 2] 1-99-05-4567

MODELS OF SYSTEM AFFECTED: BFVS TSV

DESCRIPTION / JUSTIFICATION:
Procurement of Bradley Heavy Brigade Combat Systems (HBCT) Through Sight Video (TSV) sets.

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

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				

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: February 2010

MODIFICATION TITLE (cont): Appended Devices [MOD 2] 1-99-05-4567

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RD&E																					
Procurement																					
Kit Quantity																					
Installation Kits																					
Installation Kits, Nonrecurring																					
Equipment																					
Equipment, Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment		4.3		1.4																	5.7
Support Equipment																					
Government Support																					
Interim Contractor Support																					
Installation of Hardware																					
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
Total Procurement Cost		4.3		1.4		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Software Upgrades [MOD 4] 1-96-05-4513

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:
 Embedded Training, Bradley Common Software Library and initial Contractor Logistics Support (CLS) for Bradley Training Aids, Devices, Simulators and Simulations (TADSS)

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

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		

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: February 2010

MODIFICATION TITLE (cont): Software Upgrades [MOD 4] 1-96-05-4513

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RD&E																					
Procurement																					
Kit Quantity																					
Installation Kits																					
Installation Kits, Nonrecurring																					
Equipment																					
Equipment, Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment		23.3		3.0																	26.3
Support Equipment																					
Other																					
Interim Contractor Support																					
Installation of Hardware																					
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
Total Procurement Cost		23.3		3.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0			26.3

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Gunnery Trainers ARNG [MOD 8] 0-00-00-0000

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:
Congressional Plus Up for Gunnery Trainer's and Upgrades for ARNG

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

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		

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: February 2010

MODIFICATION TITLE (cont): Gunnery Trainers ARNG [MOD 8] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment				6.6																6.6
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		6.6		0.0		0.0		0.0		0.0		0.0		0.0		0.0		6.6

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	141.1	3.0								144.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	141.1	3.0								144.1
Initial Spares										
Total Proc Cost	141.1	3.0								144.1
Flyaway U/C										
Weapon System Proc U/C										

Description:

The family of Abrams Training Aids, Devices, Simulators and Simulations (TADSS) will replicate actual tank performance without incurring the much higher costs of operating the tank itself. Updates/modifications due to vehicle software changes and lessons learned affect Advance Gunnery Training System (AGTS), Maintenance Trainers, Non-System Integration Kits as well as System Enhancement Program (SEP) and M1A1 SA integration, Common Driver's Trainer and Common Gunnery Architecture.

Justification:

FY11: No funds requested.

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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: A	Other Related Program Elements:
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	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	3460	352	93	83					406	4394
Gross Cost	10235.4	1499.0	512.8	299.5					3125.3	15672.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	10235.4	1499.0	512.8	299.5					3125.3	15672.0
Initial Spares										
Total Proc Cost	10235.4	1499.0	512.8	299.5					3125.3	15672.0
Flyaway U/C										
Weapon System Proc U/C										

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

The Stryker Brigade Combat Team (SBCT), equipped with Stryker Vehicles can be used across the full spectrum of military operations. The Stryker Brigade Combat Team deploys rapidly and conducts effective combat operations immediately on arrival to prevent, contain, stabilize, or resolve a conflict through shaping and decisive operations. Configurations of Stryker Vehicles are:

Infantry Carrier: The Infantry Carrier Vehicle (ICV) carries an infantry squad with individual equipment. The ICV also provides protected transport and supporting fires for the infantry squad during dismounted assault.

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

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

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

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

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

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

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

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

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

Exhibit P-40, Budget Item Justification Sheet		Date: February 2010
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: A	Other Related Program Elements:
<p>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.</p> <p>NBC Reconnaissance Vehicle: Live Fire Test & Evaluation, 1: Complete Live Fire Test & Evaluation, 2: 4QFY10 Production Verification Test: Complete Reliability Growth Test: Complete Initial Operational Test & Evaluation, Phase II: 4QFY10</p> <p>Justification: FY2011 Base procurement dollars in the amount of \$299.545 million support the purchase of 54 ICV's and 29 RV's to include the required Government Furnished Equipment (GFE), Basic Issue Items (BI), Associated Support Items of equipment (ASIOE), Components of End Item (COEI) and Additional Authorized List (AAL) to support these vehicles. Funding also provides for Program Management Support Costs both government and contractor, Logistics Engineering Support, System Technical Support, National Maintenance Workload Requirements (NMWR), System Fielding Support and Training Devices to support Active Army.</p> <p>A Stryker Modification Program (Budget Line GM0100) has been established. A portion of FY2011 funding (\$146,352 million) was moved to this Modification Program along with all future Funding from FY12 on out.</p>		

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: STRYKER VEHICLE (G85100)					Weapon System Type:	Date: February 2010			
WTCV Cost Elements		ID	FY 09			FY 10			FY 11		
		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
Stryker Vehicles											
-Infantry Carrier Vehicle (ICV)		A	282188	189	1493	136071	76	1790	95835	54	1775
-ICV Block Improvements											
-Reconnaissance Vehicle (RV)		A	39626	26	1524	29287	17	1723	49960	29	1723
-RV Block Improvements											
-Anti-Tank Guided Missile Vehicle (ATGM)		A	48376	17	2846						
-ATGM Block Improvements											
-Mortar Carrier (MC)		A	49025	30	1634						
-MC Block Improvements											
-Fire Support Vehicle (FSV)		A	10894	7	1556						
-FSV Block Improvements											
-Engineer Squad Vehicle (ESV)		A	12287	6	2048						
-ESV Block Improvements											
-Commander's Vehicle (CV)		A	61248	37	1655						
-CV Block Improvements											
-Medical Evacuation Vehicle (MEV)		A									
-MEV Block Improvements											
-NBC Reconnaissance Vehicle (NBCRV)		A	93691	40	2342						
-NBC RV Block Improvements											
-Mobile Gun System (MGS)		A									
-MGS Block Improvements											
Surv Enhancement (SRAT/DEK/SLAT/CBS/HPK)			195857			8236					
GFE (ASIOE/COEI/AAL)			111666			13301			17171		
Engineering Change Orders (ECO)			9200			2319			2257		
Basic Issue Items (BII)			3280			815			634		
Government Test			18715			27283					
Contractor Support to Test			20776			21227					
Comparison Evaluation											
Refurbishment of Test Vehicles			4101								
Program Management Support (Govt)			56530			56043			48122		
Program Management Support (Contractor)			15388			15696			16565		
Logistics Engineer Support (Contractor)			17165			12463			13152		
Depot Level Repair Instruction/Equipment			6938			34415			18600		
System Fielding Support			66337			27865			27455		

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: STRYKER VEHICLE (G85100)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	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
Vehicle Retrofit/OIF Fixes		224309			16044					
Post Production Mods (unscheduled mods)		37222			44575					
Initial Spares/Authoriz'd Stock List ASL		54144			1821			1530		
Support Equipment (STTE)		7376								
Training Devices		15043			19640			5289		
System Technical Support (STS)		29054			37632			2975		
Software Support		8548			8041					
Integrated Data Environment										
Product Improvement Program										
Facilitization										
Mounted Mortar										
Digital Wiring Schematics										
Total:		1498984			512774			299545		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2010

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)						
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
Stryker Vehicles										
FY 2008	GM GDLS Defense Group L.L.C. Shelby Township, MI	SS/FFP/4-5	TACOM	Mar 10	Nov 11	27	1930	N/A	N/A	
FY 2009	GM GDLS Defense Group L.L.C. Shelby Township, MI	SS/FFP/3-5	TACOM	Aug 09	Jun 11	40	2342	N/A	N/A	
FY 2009	GM GDLS Defense Group L.L.C. Shelby Township, MI	SS/FFP/3-5	TACOM	Aug 09	Jul 10	312	1614	N/A	N/A	
FY 2010	GM GDLS Defense Group L.L.C. Shelby Township, MI	SS/FF/4-5	TACOM	Mar 10	Feb 11	76	1790	N/A	N/A	
FY 2010	GM GDLS Defense Group L.L.C. Shelby Township, MI	SS/FF/5-5	TACOM	May 11	Jun 12	17	1723	N/A	N/A	
FY 2011	GM GDLS Defense Group L.L.C. Shelby Township, MI	SS/FF/5-5	TACOM	May 11	Jun 12	83	1757	N/A	N/A	

REMARKS: Stryker vehicle contract has range pricing that is predicated on the total buy quantity as well as by specific variant.

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE STRYKER VEHICLE (G85100)										Date: February 2010										
COST ELEMENTS						Fiscal Year 09										Fiscal Year 10										Later				
MFR	FY	SERV	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
Stryker Vehicles																														
1	FY 07	A	220	33	187	18	30	26	25	29	30	29																0		
1	FY 08	A	25	0	25								1	2	2	2	2	2	2	2	2	2	2	2	2			0		
1	FY 08	A	10	0	10																					1	1	8		
1	FY 08	A	62	0	62															1	2	4	6	6	6	6	6	25		
1	FY 08	A	359	0	359								43	43	39	32	22	22	31	27	26	29	22	14	9		0			
1	FY 08	A	191	0	191										7	19	20	10	11	10	12	18	21	25	29	9	0			
1	FY 08	A	27	0	27																A						27			
1	FY 08	ALL	30	0	30																				2	2	2	2	22	
1	FY 09	A	312	0	312																					3	11	11	287	
1	FY 09	A	40	0	40																							40		
1	FY 10	A	76	0	76																							76		
1	FY 10	A	17	0	17																							17		
1	FY 11	A	83	0	83																							83		
Total					1419	18	30	26	25	29	30	29	44	45	41	41	43	44	43	40	38	44	44	41	42	37	20	20	20	585
						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	9	11	20	Admin Leadtime(LT)/Manufacture Leadtimes for the Stryker Production 8 variants is 11-13 Months. LT for the NBCRV is 15 Months and LT for the MGS is 21 Months. The FY08 and FY09 deliveries overlap to maintain a minimum production sustaining rate. This will result in the delivery period that will exceed 12 months for these buys. Production LT for NBCRV is more than normal 15 months to tie start of deliveries to the tail end of FY08 deliveries to keep sensor production base warm in anticipation of NBCRV Full Rate production deliveries.
							Reorder	0	8	13	21	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
MFR	FY	SERV	PROC QTY Units	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	

Stryker Vehicles																														
1	FY 07	A	220	220																								0		
1	FY 08	A	25	25																								0		
1	FY 08	A	10	2	8	2	2	2	2																			0		
1	FY 08	A	62	37	25	6	7	5	7																			0		
1	FY 08	A	359	359																								0		
1	FY 08	A	191	191																								0		
1	FY 08	A	27	0	27													5			10	5	5	2				0		
1	FY 08	ALL	30	8	22	2	2	3	3	3	3	3	3															0		
1	FY 09	A	312	25	287	10	9	10	8	17	17	17	17	17	17	17	17	16	16	16	16	16						0		
1	FY 09	A	40	0	40									3	3	3	3	3	3	4	4	4	4	4	2			0		
1	FY 10	A	76	0	76					15	15	15	15	15	1													0		
1	FY 10	A	17	0	17																				7	9	1	0		
1	FY 11	A	83	0	83																				4	11	19	20	29	
Total					585	20	20	20	20	35	35	35	35	35	21	20	20	20	25	20	20	20	30	25	7	13	20	20	20	29
						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			1	Initial				After 1 Oct
1	GM GDLS Defense Group L.L.C., Shelby Township, MI	240	480	720		1	Initial	8	9	11	20	Admin Leadtime(LT)/Manufacture Leadtimes for the Stryker Production 8 variants is 11-13 Months. LT for the NBCRV is 15 Months and LT for the MGS is 21 Months. The FY08 and FY09 deliveries overlap to maintain a minimum production sustaining rate. This will result in the delivery period that will exceed 12 months for these buys. Production LT for NBCRV is more than normal 15 months to tie start of deliveries to the tail end of FY08 deliveries to keep sensor production base warm in anticipation of NBCRV Full Rate production deliveries.
							Reorder	0	8	13	21	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 13 / 14 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
STRYKER VEHICLE (G85100)

Date:
February 2010

COST ELEMENTS					Fiscal Year 13													Fiscal Year 14													Later	
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 13													Calendar Year 14													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
Stryker Vehicles																																
1	FY 07	A	220	220																								0				
1	FY 08	A	25	25																								0				
1	FY 08	A	10	10																								0				
1	FY 08	A	62	62																								0				
1	FY 08	A	359	359																								0				
1	FY 08	A	191	191																								0				
1	FY 08	A	27	27																								0				
1	FY 08	ALL	30	30																								0				
1	FY 09	A	312	312																								0				
1	FY 09	A	40	40																								0				
1	FY 10	A	76	76																								0				
1	FY 10	A	17	17																								0				
1	FY 11	A	83	54	29	20	9																					0				
Total					29	20	9																									
					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	9	11	20	Admin Leadtime(LT)/Manufacture Leadtimes for the Stryker Production 8 variants is 11-13 Months. LT for the NBCRV is 15 Months and LT for the MGS is 21 Months. The FY08 and FY09 deliveries overlap to maintain a minimum production sustaining rate. This will result in the delivery period that will exceed 12 months for these buys. Production LT for NBCRV is more than normal 15 months to tie start of deliveries to the tail end of FY08 deliveries to keep sensor production base warm in anticipation of NBCRV Full Rate production deliveries.
							Reorder	0	8	13	21	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	50.8	156.1							123455.8	123662.8
Less PY Adv Proc		28.1								28.1
Plus CY Adv Proc	28.1									28.1
Net Proc P1	78.9	128.0							123455.8	123662.8
Initial Spares										
Total Proc Cost	78.9	128.0							123455.8	123662.8
Flyaway U/C										
Weapon System Proc U/C										

Description:

Per the Acquisition Decision Memorandum (ADM), dated 23 June 2009, the FCS Brigade Combat Team (BCT) Acquisition Program has been cancelled. In its place, the Army BCT Modernization Program will develop a new Ground Combat Vehicle (GCV). Due to these changes, the previous Congressional mandated Non Line of Sight Cannon (NLOS-C) Special Interest (SPI) Procurement will not be awarded in FY09. Per FY 2010 Department of Defense Appropriation Act, FY 2009 current year Advance Procurement has been rescinded.

The Army has plans for the unused funds as a result of the termination of NLOS-C SPI Procurement for special termination costs and other Army BCT Modernization efforts.

Program supports Active Army.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: Future Combat Systems: (FCS) (G86100)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	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
Long Lead Items		28100								
Production Support		1127								
Termination Cost		126913								
Less: PY Advanced Procurement (NLOS-C)		- 28100			-			-		
Plus: CY Advanced Procurement (NLOS-C)										
Total:		128040								

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty			1							1
Gross Cost		25.5	328.2	41.9						395.5
Less PY Adv Proc		1.4	43.1	41.9						86.4
Plus CY Adv Proc	1.4	43.1	41.9							86.4
Net Proc P1	1.4	67.3	326.9							395.5
Initial Spares										
Total Proc Cost	1.4	67.3	326.9							395.5
Flyaway U/C										
Weapon System Proc U/C										

Description:
 Per the Acquisition Decision Memorandum (ADM), signed 23 June 2009, the FCS (BCT) Acquisition Program has been cancelled. Therefore, this procurement budget item is procuring those Future Combat System (FCS) technologies not cancelled by the aforementioned ADM into the Army Brigade Combat Team (BCT) Modernization Program. Commencing with FY 2011 President's Budget Request, the individual Future Combat Systems (FCS) technologies are being requested on their own Procurement Budget. As a result of this new acquisition approach, FY 2011 President's Budget does not have any requirement for this budget line.

Program supports Active Army.

FY10 Quantity represents number of Brigade Combat Teams.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No:	P-1 Line Item Nomenclature:	Weapon System Type:	Date:
	Procurement of W&TCV, Army / 1 / Tracked combat vehicles	FCS SPIN OUTS (G86200)		February 2010

WTCV Cost Elements	ID CD	FY 09			FY 10			FY 11		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Spin Out Program										
Non recurring Production		16417		16417	22253					
Recurring Production Costs										
UGV					7865					
UGS					13801		13801			
UAV					11283					
Network					34408					
NLOS-LS		250		250	116567					
FY09 Long Lead Items										
Recurring Production Support Costs										
Production Support		8832		8832	99767					
Fielding Support					22233					
Less PY Adv Proc - Reqmnt		- 1370			- 43139					
Plus CY Adv Proc - Reqmnt		43139			41871					
Total:		67268			326909					

Exhibit P-5a, Budget Procurement History and Planning	Date: February 2010
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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)
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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
UGV FY 2010		SSFP	TACOM, Warren, MI	Nov 09	Aug 10			N		Oct-08
UGS FY 2010		SSFP	TACOM, Warren, MI	Nov 09	Aug 10		13801			
UAV FY 2010		SSFP	TACOM, Warren, MI	Nov 09	Aug 10					
NLOS-LS FY 2010		SSFP	TACOM, Warren, MI	Apr 10	Mar 11					

REMARKS:

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE FCS SPIN OUTS (G86200)										Date: February 2010											
COST ELEMENTS						Fiscal Year 09										Fiscal Year 10															
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09										Calendar Year 10										Later					
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP	
UGV																															
1	FY 10	A	51	0	51																							4	4	43	
UGS																															
1	FY 10	A	55	0	55																							3	3	49	
UAV																															
1	FY 10	A	29	0	29																							2	2	25	
NLOS-LS																															
1	FY 10	A	12	0	12																									12	
Total																															
					147																								9	9	129
						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	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					

FY 11 / 12 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE FCS SPIN OUTS (G86200)										Date: February 2010									
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
UGV																													
1	FY 10	A	51	8	43	5	5	5	5	5	5	5	4	4													0		
UGS																													
1	FY 10	A	55	6	49	4	5	5	5	5	5	5	5	5													0		
UAV																													
1	FY 10	A	29	4	25	2	2	2	2	2	3	3	3	3	3												0		
NLOS-LS																													
1	FY 10	A	12	0	12						1	1	1	1	1	1	1	1	1	1	1	1					0		
Total																													
					129	11	12	12	12	12	14	14	13	13	9	1	1	1	1	1	1	1							
						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	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					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost									Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc	1.4	43.1	41.9							86.4
Net Proc P1	1.4	43.1	41.9							86.4
Initial Spares										
Total Proc Cost	1.4	43.1	41.9							86.4
Flyaway U/C										
Weapon System Proc U/C										

Description:
 Per the Acquisition Decision Memorandum (ADM), signed 23 June 2009, the FCS (BCT) Acquisition Program has been cancelled. Therefore, this procurement budget item is procuring those Future Combat System (FCS) technologies not cancelled by the aforementioned ADM into Army Brigade Combat Team (BCT) Modernization Program. Commencing with FY 2011 President's Budget Request, the individual Future Combat Systems (FCS) technologies are being requested on their own Procurement Budget. As a result of this new acquisition approach, FY 2011 President's Budget does not have any requirement for this budget line.

Program supports Active Army.

Advance Procurement Requirements Analysis-Funding (P-10A)				First System Award Date: 2 Qtr FY09		First System Completion Date: 3 Qtr FY10			Date: February 2010			
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles						P-1 Line Item Nomenclature / Weapon System: FCS SPIN OUTS						
(\$ in Millions)												
	PLT (mos)	When Rqd (mos)	Pr Yrs	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	To Comp	Total
End Item Quantity												
Spin Outs	0	0										
NLOS-LS	0	0	0.3	29.5	29.7							59.5
ARV-A (L)	0	0										
MULE-CM	0	0										
SUGV Block 1	0	0		1.3	1.3							2.6
SUGV (Threshold)	0	0										
U-UGS	0	0		0.9	0.7							1.6
T-UGS	0	0		2.6	1.7							4.3
UAV Class 1 Block 0	0	0										
UAV Class 1 (Threshold)	0	0										
UAV Class 4	0	0										
Universal Ground Control Station	0	0										
Centralized Controller	0	0										
NLOS-LS Control Cell	0	0										
Additional Hardware	0	0										
ICS B-Kit	0	0										
Antenna B-Kit	0	0		0.8	0.8							1.6
ICS and GPCS	0	0		8.0	7.7							15.7
LSI SEPM	0	0	1.1									1.1
Total Advance Procurement			1.4	43.1	41.9	0.0	0.0	0.0	0.0	0.0	0.0	86.4

Notes:
Spin Outs (FY08-10)
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 Large Network Processor (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.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles
 P-1 Item Nomenclature: STRYKER (MOD) (GM0100)

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

	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost				591.4	310.6	209.3				1111.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				591.4	310.6	209.3				1111.2
Initial Spares										
Total Proc Cost				591.4	310.6	209.3				1111.2
Flyaway U/C										
Weapon System Proc U/C										

Description:
 The ever changing 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 Family of Vehicles (FOV) is this force. Modifications to the Stryker FOV is necessary to increase 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.

Justification:
 FY2011 Base procurement dollars in the amount of \$146.352 million supports the purchase of Survivability Enhancements to include such things as Video Display Electronic Terminal (VDET), Mobile Gun System (MGS) Deficiencies, and Survivability Enhancements to include such things as Slat Rocket Propelled Grenade (RPG) Protection, Common Ballistic Shield, CREW A Kits, Blue Force Tracking, Driver's Enhancement Kit, and Mine Protection Kit to support the Active Army.
 FY2011 Overseas Contingency Operations (OCO) funds of \$445.000 million supports the purchase of required OEF Kits and modifications for a second OEF Brigade, an OIF Brigade, and Ready To Fight (RTF) Vehicles to support the Active Army. Items include Tire Fire Suppression Kit Upgrade, Emergency Fuel Shut Off, Mine Protection Kit Enhancement, Driver's Protection Kit Enhancements, Fire Suppression, Mine Roller & Jettison Kit for Self-Protection Adaptive Roller Kit (SPARK), Variant Unique Energy Attenuated Seat Kit, Lightweight Rocket Propelled Grenade, and Height Management System Nitrogen Capacity.

Exhibit P-40M, Budget Item Justification Sheet	Date: February 2010
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature STRYKER (MOD) (GM0100)
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Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TC	Total
Video Display Electronic Terminal (VDET)											
0-00-00-0000	Operational	0.0	0.0	0.0	10.1	36.9	35.2	0.0	0.0	0.0	82.2
Mobile Gun System (MGS) Deficiencies											
0-00-00-0000	Safety	0.0	0.0	0.0	8.6	4.3	0.0	0.0	0.0	0.0	12.9
Deployment Prep Retrofit											
0-00-00-0000	Safety	0.0	0.0	0.0	66.4	59.9	61.6	0.0	0.0	0.0	187.9
OEF Survivability Enhancements											
0-00-00-0000	Safety	0.0	0.0	0.0	445.0	0.0	0.0	0.0	0.0	0.0	445.0
Production Support											
0-00-00-0000	Operational	0.0	0.0	0.0	61.3	209.5	112.5	0.0	0.0	0.0	383.3
Totals		0.0	0.0	0.0	591.4	310.6	209.3	0.0	0.0	0.0	1111.3

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Video Display Electronic Terminal (VDET) [MOD 1] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Stryker Family of Vehicles

DESCRIPTION / JUSTIFICATION:

VDET replaces the Video Display Terminal (VDT) in the embedded training module due to obsolescence. Device combines three (3) obsolete contractor furnished Line Replaceable Units (LRU), reducing Size, Weight and Power (SWAP) for this critical C4ISR system by 40%. Upgrade includes Vehicle Smart Display that supports new computing needs as well as existing Command and Control (C2) and Situational Awareness requirements. Upgrade also includes Core 2 Duo Intel Processor, 2 GB of RAM (upgradeable to 4 GB), and a removable solid state hard drive and 4 RS170 input/output ports, capable of providing video switching from four (4) devices or video streaming from two (2) devices.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

% complete: 97
 Recent and pending milestones:
 Safety Confirmation: 6 Jan 10
 DD 250: 17 Feb 10
 Army Interoperability Certification: 1 Jun 10

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
											350				1261					1172
												350				1261				1172
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					
																				2783
																				2783

METHOD OF IMPLEMENTATION: Contractor Field ADMINISTRATIVE LEADTIME: 0 months PRODUCTION LEADTIME: 8 months
 Retrofit
 Contract Dates: FY 2010 - FY 2011 - Oct 10 FY 2012 - Oct 11
 Delivery Dates: FY 2010 - FY 2011 - May 11 FY 2012 - May 12

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): Video Display Electronic Terminal (VDET) [MOD 1] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Program Management Support								1.3	4.4		4.4									10.1
Hardware						350	8.7	1261	32.2	1172	30.5								2783	71.4
Installation of Hardware																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits						350	0.1												350	0.1
FY 2012 Equip -- Kits								1261	0.3										1261	0.3
FY 2013 Equip -- Kits										1172	0.3								1172	0.3
FY 2014 Equip -- Kits																				
FY 2015 Equip -- Kits																				
TC Equip- Kits																				
Total Installment	0	0.0	0	0.0	0	0.0	350	0.1	1261	0.3	1172	0.3	0	0.0	0	0.0	0	0.0	2783	0.7
Total Procurement Cost		0.0		0.0		0.0		10.1		36.9		35.2		0.0		0.0		0.0		82.2

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Mobile Gun System (MGS) Deficiencies [MOD 2] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Stryker Family of Vehicles - Mobile Gun System (MGS)

DESCRIPTION / JUSTIFICATION:

Correction of MGS near and mid-term deficiencies as required in accordance with the Acquisition Decision Memorandum, Subject: Stryker Mobile Gun System (MGS), dated August 5, 2008. Correction of MGS Deficiencies include Mission Equipment Package (MEP) Reliability, Heat Abatement, Air Conditioning, Commander's Weapon Station Protection (Lower Mount and Shield), Replenisher Cover, and Hydraulic Circuit Separation.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Congressional reporting to track progress toward correction of the deficiencies is required every 180 days until December 31, 2011. As of the report dated 28 Dec 09, nine (9) of the twenty-three (23) deficiencies have been mitigated, by either material fixes or Techniques, Tactics and Procedures (TTP). Of the remaining fourteen (14) deficiencies, solutions for ten (10) deficiencies have been identified and are scheduled to be tested and evaluated. The remaining four (4) deficiencies (deficiency #6 - inadequate ready load for 7.62 coax machine gun; deficiency #10 - inadequate space to reload 7.62 coax machine gun; deficiency #15 - gun pod protection; and deficiency #16 - hydraulic circuit separation for redundancy) have been reviewed and the TRADOC Capabilities Manager (TCM) for the Stryker Brigade Combat Team has approved the way ahead.

Engineerin Change Order (ECO) Block 1 Test: Complete

ECO Block 2 Test: Test ongoing with approximately 3,000 miles and 262 rounds completed.

Live Fire Test and Evaluation (LFT&E): March-October 2010 at Aberdeen Proving Grounds, Maryland, LFT events will include characterization of the MGS survivability upgrades through controlled damage tests, coupon testing, Ballistic Hull and Turret (BH&T) and Full-Up System Level (FUSL) events.

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	
											18				9						
												18				9					
	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					
																					27
																					27

METHOD OF IMPLEMENTATION: Contractor Field ADMINISTRATIVE LEADTIME: 1 months PRODUCTION LEADTIME: 8 months
 Retrofit
 Contract Dates: FY 2010 - FY 2011 - Nov 10 FY 2012 - Nov 11
 Delivery Dates: FY 2010 - FY 2011 - Jun 11 FY 2012 - Jun 12

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): Mobile Gun System (MGS) Deficiencies [MOD 2] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Program Management Support								1.1	0.5												1.6
Hardware							18	7.1	9	3.6										27	10.7
Installation of Hardware																					
FY 2010 Equip -- Kits																					
FY 2011 Equip -- Kits							18	0.4												18	0.4
FY 2012 Equip -- Kits									9	0.2										9	0.2
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	18	0.4	9	0.2	0	0.0	0	0.0	0	0.0	0	0.0	27	0.6	
Total Procurement Cost		0.0		0.0		0.0		8.6		4.3		0.0		0.0		0.0		0.0			12.9

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Deployment Prep Retrofit [MOD 3] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Stryker Family of Vehicles

DESCRIPTION / JUSTIFICATION:

Retrofit of Survivability Enhancement Kits on to the Stryker Family of Vehicles (FOV) is required to increase survivability and protection of the Stryker vehicles and crew when the Stryker Brigades are deployed in support of Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF) missions. Kits include Slat Rocket Propelled Grenade (RPG) Protection, Common Ballistic Shield, CREW A Kits, Blue Force Tracking, Driver's Enhancement Kit, and Mine Protection Kit.

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
											747				664				664	
											747				664					664

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		
																	2075
																	2075

METHOD OF IMPLEMENTATION: Contractor Field ADMINISTRATIVE LEADTIME: 1 months PRODUCTION LEADTIME: 7 months

Retrofit

Contract Dates: FY 2010 - FY 2011 - Nov 10 FY 2012 - Nov 11

Delivery Dates: FY 2010 - FY 2011 - May 11 FY 2012 - May 12

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): Deployment Prep Retrofit [MOD 3] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Program Management Support								7.4		7.1		7.8									22.3
Hardware							747	21.3		664	19.2		664	19.6						2075	60.1
Installation of Hardware																					
FY 2010 Equip -- Kits																					
FY 2011 Equip -- Kits							747	37.7												747	37.7
FY 2012 Equip -- Kits										664	33.6									664	33.6
FY 2013 Equip -- Kits												664	34.2							664	34.2
FY 2014 Equip -- Kits																					
FY 2015 Equip -- Kits																					
TC Equip- Kits																					
Total Installment	0	0.0	0	0.0	0	0.0	747	37.7	664	33.6	664	34.2	0	0.0	0	0.0	0	0.0	2075	105.5	
Total Procurement Cost		0.0		0.0		0.0		66.4		59.9		61.6		0.0		0.0		0.0		0.0	187.9

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: OEF Survivability Enhancements [MOD 4] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Stryker Family of Vehicles

DESCRIPTION / JUSTIFICATION:

Operation Enduring Freedom (OEF) Survivability Enhancements (fixes as originally identified by the 5/2 Commander). Kits will be applied to a Stryker Brigade deployed in support of OEF, a Stryker Brigade deployed in support of OIF, and on Ready to Fight Vehicles. Kits include Tire Fire Suppression Kit Upgrade, Emergency Fuel Shut Off, Mine Protection Enhancements, Driver's Protection Kit Enhancements, Fire Suppression, Mine Roller & Jettison Kit for Self-Protection Adaptive Roller Kit (SPARK), Variant Unique Energy Attenuated Seats Kit, Lightweight Rocket Propelled Grenade, and Height Management System Nitrogen Capacity.

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
											693									
												693								
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					
																				693
																				693

METHOD OF IMPLEMENTATION: Contractor Field ADMINISTRATIVE LEADTIME: 1 months PRODUCTION LEADTIME: 6 months
 Retrofit
 Contract Dates: FY 2010 - FY 2011 - Nov 10 FY 2012 -
 Delivery Dates: FY 2010 - FY 2011 - Apr 11 FY 2012 -

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): OEF Survivability Enhancements [MOD 4] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Program Management Support								3.2												3.2	
Hardware						693	436.1												693	436.1	
Installation of Hardware																					
FY 2008 & Prior Equip -- Kits																					
FY 2009 -- Kits																					
FY 2010 Equip -- Kits																					
FY 2011 Equip -- Kits							693	5.7											693	5.7	
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	693	5.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	693	5.7	
Total Procurement Cost		0.0		0.0		0.0		445.0		0.0		0.0		0.0		0.0		0.0		445.0	

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Production Support [MOD 5] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Stryker Family of Vehicles

DESCRIPTION / JUSTIFICATION:
 Production Support represents costs associated with the production and fielding/delivery of Stryker vehicles procured under Stryker G85100 Program. Vehicles funded on the Program Budget Line are scheduled for delivery into FY13.

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

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		

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: February 2010

MODIFICATION TITLE (cont): Production Support [MOD 5] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Program Management Support								11.1	50.7		49.8									111.6
Systems Technical Support							22.6	23.1		23.5										69.2
Logistics Engineering Support								10.9		11.1										22.0
Test Support							27.6	27.9		28.1										83.6
Depot Level Repair								32.0												32.0
Instruction/Equipment																				
Hardware									64.9											64.9
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		0.0		0.0		61.3		209.5		112.5		0.0		0.0		0.0		383.3

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature FIST VEHICLE (MOD) (GZ2300)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements: 0203735A
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	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	416									416
Gross Cost	935.6	28.9	70.1	31.1	30.8	14.1	7.5		105.3	1223.4
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	935.6	28.9	70.1	31.1	30.8	14.1	7.5		105.3	1223.4
Initial Spares										
Total Proc Cost	935.6	28.9	70.1	31.1	30.8	14.1	7.5		105.3	1223.4
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown									
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	
Active	Qty	0	0	0	0	0	0	0	0
	Gross Cost	127.0	64087.0	20083.0	19797.0	0.0	0.0	0.0	0.0
National Guard	Qty	0	0	0	0	0	0	0	0
	Gross Cost	28800.0	6000.0	11000.0	11000.0	14136.0	7489.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0
	Gross Cost	28927	70087	31083	30797	14136	7489	0	0

Description:
The Bradley Fire Support Team (BFIST) vehicle replaces the aging M981 Fire Support Vehicle used by the Fire Support Team (FIST) that is in the Combined Arms Battalion. The FIST contributes to success on the battlefield by accurately locating and designating targets and then combining this information to develop and execute fire support plans. The BFIST allows fire support operations to be performed on the battlefield in vehicles with the same signature, survivability, and mobility as the other Bradleys in the maneuver units it supports. The BFIST consists of two variants; M7 BFIST and A3 BFIST.

A3 BFIST: The A3 BFIST integrates a fire support Mission Equipment Package (MEP) with the technology and capability advancements of the baseline A3 Bradley digital architecture. The A3 BFIST requires the integration of four complex and constantly changing major software packages; Forward Observer System (FOS), Force 21 Battle Command Brigade and Below (FBCB2), FIST MEP, and the baseline A3 Bradley vehicle which are managed by four different primary contractor and government organizations. Any modifications needed to the baseline vehicle to integrate the MEP are added as an Engineering Change Proposal (ECP).

The ODS Bradley is being upgraded to improve its Situational Awareness (SA). In order to maintain commonality with the baseline Bradley Operation Desert Storm (ODS) SA vehicle, the M7

Exhibit P-40, Budget Item Justification Sheet	Date:
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February 2010

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature FIST VEHICLE (MOD) (GZ2300)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements: 0203735A
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BFIST is transitioning to the M7 BFIST SA vehicle. The M7 BFIST SA will have the same second generation Forward Looking Infrared (FLIR) capability as ODS-SA. This second generation (FLIR) will improve the range capability of M7 BFIST SA. However, the second generation FLIR doesn't fully meet the target detect, recognize, and identify requirement as specified in the 3 May 04 Operational Requirements Document (ORD) for Heavy/Light Fire Support Vehicle. In addition, M7 BFIST SA no longer has the M7 BFIST obsolescence issues because of the A3 like digital architecture of the ODS-SA baseline vehicle.

M7 BFIST SA: The M7 BFIST integrates a fire support Mission Equipment Package (MEP) onto the baseline Operation Desert Storm (ODS) Bradley vehicle. The M7 BFIST requires the integration of four complex and constantly changing major software packages; Forward Observer System(FOS), Force 21 Battle Command Brigade and Below (FBCB2), FIST MEP, and the baseline ODS Bradley vehicle which are managed by four different primary contractor and government organizations. Any modifications needed to the baseline vehicle to integrate the MEP are added as an Engineering Change Proposal (ECP).

Justification:

FY11 Base dollars of \$31.083 million will procure and integrate 35 FS3 Sensors on the A3 BFIST to support the Heavy Brigade Combat Team. Procurement of A3 BFIST to meet modularity was met with the FY08 Funding Program and is now transitioning to the A3 BFIST with a Fire Support Sensor System (FS3) vehicle. The A3 BFIST requires the FS3 which is the sensor of choice of the Fire Support community to meet threshold range requirements in detecting, recognizing, and identifying targets and designating under armor as specified in the 3 May 04 Operational Requirements Document (ORD) for Heavy/Light Fire Support Vehicle. The FS3 will be retrofitted and fielded to the A3 BFIST Fleet.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No:	P-1 Line Item Nomenclature:	Weapon System Type:	Date:
	Procurement of W&TCV, Army / 1 / Tracked combat vehicles	FIST VEHICLE (MOD) (GZ2300)		February 2010

WTCV Cost Elements	ID CD	FY 09			FY 10			FY 11		
		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										
FS3 Integration on A3 Veh Production					17639	93	190	6753	35	193
Fire Spt Sensor Sys (FS3)		4640	13	357	28633	69	415	14775	35	422
Government Furnished Equipment (GFE)		2486			3773			1444		
Engineering / STS (FS3)		6413			8891			2814		
System Technical Support M7 SA ECP		4595								
Government Support		4537			3038			3103		
Fielding (FS3/SA/Field Retrofits/MWO's)					2313			1409		
Test & Evaluation (FS3/SA/Crew II/CVRJ)		6256			4037			785		
100 Blue Force Tracking A Kits					1763					
Total:		28927			70087			31083		

Exhibit P-5a, Budget Procurement History and Planning	Date: February 2010
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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)
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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
A3 Vehicle Production										
FY 2008	BAE York, PA	SS/FP	USATACOM, Warren, MI	May 08	Mar 10	54	2128	yes		
Fire Spt Sensor Sys (FS3)										
FY 2009	Ratheon Corp McKinney, TX	SS/FP	USATACOM, Warren, MI	Feb 09	Apr 10	13	357	yes		
FY 2010	Ratheon Corp McKinney, TX	SS/FP	USATACOM, Warren, MI	Feb 10	Apr 11	69	415	yes		
FY 2011	Ratheon Corp McKinney, TX	SS/FP	USATACOM, Warren, MI	Feb 11	Apr 12	35	422	yes		

REMARKS:

FY 11 / 12 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE FIST VEHICLE (MOD) (GZ2300)										Date: February 2010												
COST ELEMENTS					Fiscal Year 11											Fiscal Year 12																
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											Later				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P		
A3 Vehicle Production																																
1	FY 08	A	54	36	18	12		6																						0		
Fire Spt Sensor Sys (FS3)																																
2	FY 09	TOT	13	13																										0		
2	FY 10	TOT	69	0	69						6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	3			0		
2	FY 11	TOT	35	0	35																					6	6	6	6	6	5	0
Total																																
					122	12		6			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	3	6	6	6	6	6	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	Initial	0	8	22	30				
1	BAE, York, PA	144	300	984		1	Initial	0	8	22	30
						1	Reorder	0	0	0	0
2	Ratheon Corp, McKinney, TX	60	360	420		2	Initial	0	5	14	19
						2	Reorder	0	5	14	19
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	1989.2	1095.6	768.3	215.1		44.3	46.8	46.4		4205.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	1989.2	1095.6	768.3	215.1		44.3	46.8	46.4		4205.8
Initial Spares										
Total Proc Cost	1989.2	1095.6	768.3	215.1		44.3	46.8	46.4		4205.8
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown										
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015		
Active	Qty	0	0	0	0	0	0	0	0	
	Gross Cost	863130.0	585814.0	0.0	0.0	44292.0	46805.0	46433.0		
National Guard	Qty	0	0	0	0	0	0	0	0	
	Gross Cost	232458.0	182518.0	215133.0	0.0	0.0	0.0	0.0	0.0	
Reserve	Qty	0	0	0	0	0	0	0	0	
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total	Qty	0	0	0	0	0	0	0	0	
	Gross Cost	1095588	768332	215133	0	44292	46805	46433		

Description:
Bradley Program (MOD) procures Operation Desert Storm (ODS) vehicle upgrades to improve its Situational Awareness (SA). Upgrades include the Second Generation (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. Completing this modification eliminates obsolete sensor technology on the ODS fleet.

Justification:
FY11 Base procurement dollars in the amount of \$215.133 million support the procurement of 58 ODS Situation Awareness (SA) for Bradley A2 ODS vehicles.

Exhibit P-40M, Budget Item Justification Sheet										Date: February 2010	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles					P-1 Item Nomenclature BRADLEY PROGRAM (MOD) (GZ2400)						
Appropriation / Budget Activity / Serial No:					P-1 Item Nomenclature						
Program Elements for Code B Items:						Code: A		Other Related Program Elements: 0203735.371			
Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TC	Total
Training Devices											
0-00-00-0000		0.0	0.0	25.7	15.6	0.0	0.0	0.0	0.0	0.0	41.3
Bradley Reactive Armor											
1-84-05-4038	Operational	598.0	156.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	765.1
BFVS High Priority Improvements											
1-98-05-4550	Operational	298.7	628.6	232.6	0.0	0.0	0.0	0.0	0.0	0.0	1159.9
Prior Year Closed Mods											
0-00-00-0000		1092.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1092.5
ODS Situational Awareness											
2-07-05-0017	Operational	0.0	302.1	458.9	159.5	0.0	0.0	0.0	0.0	0.0	920.5
Engineering Support											
0-00-00-0000		0.0	8.9	40.0	18.0	0.0	18.0	18.0	18.0	0.0	120.9
Field Modifications											
0-00-00-0000		0.0	0.0	0.0	22.0	0.0	26.3	28.8	28.4	0.0	105.5
Totals		1989.2	1095.6	768.3	215.1	0.0	44.3	46.8	46.4	0.0	4205.7

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Training Devices [MOD 1] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Bradley

DESCRIPTION / JUSTIFICATION:

This program procures upgrade kits for the 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.

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

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		

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: February 2010

MODIFICATION TITLE (cont): Training Devices [MOD 1] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RD&E																				
Procurement																				
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment						25.7		15.6												41.3
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		0.0		25.7		15.6		0.0		0.0		0.0		0.0		0.0		41.3

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Bradley Reactive Armor [MOD 2] 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	
2007				146	146	146	146	85													
1849				158	146	146	146	146	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						
																					2676
																					2676

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

5 months

PRODUCTION LEADTIME:

6 months

Contract Dates:

FY 2010 - FEB 10

FY 2011 - N/A

FY 2012 - N/A

Delivery Dates:

FY 2010 - AUG 10

FY 2011 - N/A

FY 2012 - N/A

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): Bradley Reactive Armor [MOD 2] 1-84-05-4038

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
RD&E																						
Procurement																						
Kit Quantity	2007	598.0	584	156.0	85	11.1														2676	765.1	
Installation Kits																						
Installation Kits, Nonrecurring																						
Facilitization																						
Equipment, Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Support Equipment																						
Other																						
Interim Contractor Support																						
Installation of Hardware																						
FY 2007 & Prior Equip -- Kits	1849																				1849	
FY 2008 -- Kits			158																			158
FY 2009 Equip -- Kits					584																	584
FY 2010 Equip -- Kits							85															85
FY 2011 Equip -- Kits																						
FY 2012 Equip -- Kits																						
FY 2013 Equip -- Kits																						
FY 2014 Equip -- Kits																						
TC Equip- Kits																						
Total Installment	1849	0.0	158	0.0	584	0.0	85	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2676	0.0		
Total Procurement Cost		598.0		156.0		11.1		0.0		0.0		0.0		0.0		0.0		0.0		765.1		

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: BFVS High Priority Improvements [MOD 3] 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.

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
5123	179	179	179	178	179	179	179	961	961	962	962									
4945	178	179	179	179	178	179	179	179	961	961	962	962								
	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			
																		10221		
																		10221		

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

5 months

PRODUCTION LEADTIME:

6 months

Contract Dates:

FY 2010 - FEB 10

FY 2011 -

FY 2012 -

Delivery Dates:

FY 2010 - AUG 10

FY 2011 -

FY 2012 -

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): BFVS High Priority Improvements [MOD 3] 1-98-05-4550

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
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		98.5																		98.5
Urban Survivability Mods	715	96.4	715	628.6	3846	232.6													5276	957.6
Installation of Hardware																				
FY 2007 & Prior Equip -- Kits	4945																		4945	
FY 2008 -- Kits			715																715	
FY 2009 Equip -- Kits					715														715	
FY 2010 Equip -- Kits							3846												3846	
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	4945	0.0	715	0.0	715	0.0	3846	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10221	0.0
Total Procurement Cost		298.7		628.6		232.6		0.0		0.0		0.0		0.0		0.0		0.0		1159.9

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: ODS Situational Awareness [MOD 5] 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 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
							26	25	25	25	62	62	62	61	15	15	14	14		
								26	25	25	25	62	62	62	61	15	15	15	14	14

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		
																	406
																	406

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

7 months

PRODUCTION LEADTIME:

14 months

Contract Dates:

FY 2010 - APR 10

FY 2011 - APR 11

FY 2012 -

Delivery Dates:

FY 2010 - JUL11

FY 2011 - JUL 12

FY 2012 -

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): ODS Situational Awareness [MOD 5] 2-07-05-0017

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
ODS Situational Awareness			101	302.1	247	458.9	58	159.5											406	920.5
Installation of Hardware																				
FY 2007 & Prior Equip -- Kits																				
FY 2008 -- Kits																				
FY 2009 Equip -- Kits					26		75												101	
FY 2010 Equip -- Kits							62		185										247	
FY 2011 Equip -- Kits									15		43								58	
FY 2012 Equip -- Kits																				
FY 2013 Equip -- Kits																				
FY 2014 Equip -- Kits																				
TC Equip- Kits																				
Total Installment	0	0.0	0	0.0	26	0.0	137	0.0	200	0.0	43	0.0	0	0.0	0	0.0	0	0.0	406	0.0
Total Procurement Cost		0.0		302.1		458.9		159.5		0.0		0.0		0.0		0.0		0.0		920.5

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Engineering Support [MOD 6] 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 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

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		

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: February 2010

MODIFICATION TITLE (cont): Engineering Support [MOD 6] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Kit Quantity																					
Installation Kits																					
Installation Kits, Nonrecurring																					
Equipment																					
Equipment, Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment																					
Support				8.9		40.0		18.0				18.0		18.0		18.0					120.9
Other																					
Interim Contractor Support																					
Installation of Hardware																					
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Procurement Cost		0.0		8.9		40.0		18.0		0.0		18.0		18.0		18.0		0.0			120.9

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Field Modifications [MOD 7] 0-00-00-0000

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

The Bradley Fighting Vehicle Systems (BFVS) represents the primary mechanized Infantry, Cavalry and Engineer forces in the Heavy Brigade Combat Teams. Modifications will be incorporated on these systems to maintain strategic combat overmatch. These modifications will include fleet safety mods, reliability improvements and capability set improvements.

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

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		

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: February 2010

MODIFICATION TITLE (cont): Field Modifications [MOD 7] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other								22.0			26.3		28.8		28.4					105.5
Interim Contractor Support																				
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		0.0		0.0		22.0		0.0		26.3		28.8		28.4		0.0		105.5

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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)
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Program Elements for Code B Items: 0604854A.016	Code: B	Other Related Program Elements:
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	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty				18	18	49	68	69	321	543
Gross Cost	1752.4	36.4	42.6	105.3	151.3	239.7	449.8	449.0	1621.2	4847.8
Less PY Adv Proc	16.3									16.3
Plus CY Adv Proc	16.3									16.3
Net Proc P1	1752.4	36.4	42.6	105.3	151.3	239.7	449.8	449.0	1621.2	4847.8
Initial Spares										
Total Proc Cost	1752.4	36.4	42.6	105.3	151.3	239.7	449.8	449.0	1621.2	4847.8
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown									
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	
Active	Qty	0	0	14	14	24	34	42	
	Gross Cost	23201.0	31350.0	82827.0	121205.0	119766.0	227402.0	272477.0	
National Guard	Qty	0	0	4	4	25	34	27	
	Gross Cost	13227.0	11258.0	22450.0	30130.0	119965.0	222371.0	176522.0	
Reserve	Qty	0	0	0	0	0	0	0	
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total	Qty	0	0	18	18	49	68	69	
	Gross Cost	36428	42608	105277	151335	239731	449773	448999	

Description:
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.

For FY2011 and beyond, the Paladin Integrated Management (PIM) process 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.

Justification:

Exhibit P-40, Budget Item Justification Sheet	Date:
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February 2010

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)
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Program Elements for Code B Items: 0604854A.016	Code: B	Other Related Program Elements:
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FY11 Base Procurement dollars in the amount of \$105.277 million will begin the procurement and fielding of 18 Paladin Integrated Management (PIM) vehicles as part of Low Rate Initial Production (LRIP) along with Paladin/FAASV field upgrades. The Paladin Integrated Management (PIM) process 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.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)			Weapon System Type:			Date: February 2010			
WTCV Cost Elements		ID	FY 09			FY 10			FY 11		
		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
PIM Manufacturing (Incl ANAD)		B	26024					58203	18	3234	
PIM GFE								9265			
PIM System Engineering/Mgmt - Gov								6472			
PIM System Technical Support - Contr								11317			
PIM System Test and Evaluation - Gov								11383			
PIM Non-Recurring Eng/Logistics											
PIM Fielding								3551			
PIM Training Devices											
PIM Increment 1											
PIM Increment 2											
PDFCS											
PDFCS-R											
Paladin Training Devices											
Paladin System Engineering/Mgmt -Gov			4671			4988					
Paladin System Technical Support - Contr			3114								
Paladin CREW II											
Jacobs Omnibus - Contr			1438								
Camber Support			194								
Gunner's Protection Kit			987								
Joint Chemical Agent Dectector (JCAD)											
Excel Round & Rifle Bracket Interference											
T-154 Track Pin Migration											
Precision Guided Kit (PGK) Stowage											
Projectile Stowage Improvement											
APU Engine Repair Manual and NMWR											
APU Storage Container											
Cupola Bearings (1800)						27000					
Chief of Section Protection Kits (450)						10620		5086			
Total:			36428			42608		105277			

Exhibit P-5a, Budget Procurement History and Planning	Date: February 2010
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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)
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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
PIM Manufacturing (Incl ANAD) FY 2011	BAE Systems York, PA/Elgin, OK	SS/FP	TACOM, Warren, MI	Jan 11	Jan 12	18	3234			

REMARKS: Program assessing impacts to schedule as a result of being under CRA during 1st Qtr FY10.

COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
MFR	FY	SERV	PROC QTY Units	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	

PIM Manufacturing (Incl ANAD)																																				
1	FY 11	A	14	14																															0	
1	FY 11	NG	4	4																															0	
1	FY 11	TOT	18	0	18				A																										0	
Total					18																															

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	BAE Systems, York, PA/Elgin, OK	12	120	240		1	0	4	12	16	Program assessing impacts to schedule as a result of being under CRA during 1st Qtr FY10.
							0	0	0	0	
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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

Program Elements for Code B Items:		Code: A		Other Related Program Elements:						
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	475	91	24	17	16	13				636
Gross Cost	1234.1	254.1	96.5	69.6	105.8	75.2				1835.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	1234.1	254.1	96.5	69.6	105.8	75.2				1835.3
Initial Spares										
Total Proc Cost	1234.1	254.1	96.5	69.6	105.8	75.2				1835.3
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown

Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Active	Qty	88	19	0	7	5	0	0
	Gross Cost	240910.0	73707.0	0.0	49840.0	28864.0	0.0	0.0
National Guard	Qty	0	2	17	9	8	0	0
	Gross Cost	0.0	9608.0	69609.0	55916.0	46320.0	0.0	0.0
Reserve	Qty	3	3	0	0	0	0	0
	Gross Cost	13200.0	13200.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	91	24	17	16	13	0	0
	Gross Cost	254110	96515	69609	105756	75184	0	0

Description:

The M88A2 Heavy Equipment Recovery Combat Utility Lift and Evacuation System (HERCULES) is a 70 ton armored, full tracked, diesel powered recovery vehicle based on the M88A1 chassis. 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. It is configured with three winches, improved spade, and improved A-frame boom which enable the vehicle to have a 35 ton lift capability and a 70 ton constant pull capability. The M88A2 HERCULES is the only recovery vehicle capable of single vehicle recovery, evacuation, and battle damage repair of the Abrams main battle tank.

Justification:

FY11 Base procurement dollars in the amount of \$69.609 million supports the procurement of 17 M88A2 HERCULES vehicles and Operational Modifications for production cut-in vehicles. This procurement will fulfill the Heavy Brigade Combat Team (HBCT) Army Campaign Plan modularity objective of 607 vehicles. The fielded M88A1 Medium Recovery Vehicle lacks the necessary power, weight, and braking ability to safely support the recovery of the Abrams fleet by itself. Improvements in the M88A2 HERCULES fix these operational shortcomings. The increased winching and lifting capability accommodates all Abrams variants including the M1A2 System Enhancement Program (SEP) tank. Without this increased capability, units must use TWO M88A1 Medium Recovery Vehicles to perform the necessary spectrum of recovery operations.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No:	P-1 Line Item Nomenclature:	Weapon System Type:	Date:
	Procurement of W&TCV, Army / 1 / Tracked combat vehicles	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)		February 2010

WTCV Cost Elements	ID CD	FY 09			FY 10			FY 11		
		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	185165	91	2035	52786	24	2199	40791	17	2399
Vehicle Manufacturing - GFE		7887			2517			1521		
Engine Re-Power										
Contractor Engineering		28749			30665			17640		
Engineering Change Orders		916								
Program Management - Core & OGA		3728			3383			3552		
Transportation		1820			422			358		
Fielding (TPF & NET)		9364			2778			2276		
Testing		1821			2069			2105		
Depot Maintenance - Premodification		6859			1895			1366		
Operational Block Improvements		7801								
Total:		254110			96515			69609		

Exhibit P-5a, Budget Procurement History and Planning	Date: February 2010
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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)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Vehicle Manufacturing - Contractor										
FY 2009	BAE Systems York, PA	SS-FFP	TACOM	Mar 09	Mar 10	91	2035	YES		Nov 08
FY 2010	BAE Systems York, PA	SS-FFP	TACOM	Jan 10	Jan 11	24	2199	YES		Nov 09
FY 2011	BAE Systems York, PA	SS-FFP	TACOM	Mar 11	Mar 12	17	2399	YES		Nov 10

REMARKS:

COST ELEMENTS					Fiscal Year 09													Fiscal Year 10													Later	
MFR	FY	SERV	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			
Vehicle Manufacturing - Contractor																																
1	FY 09	A	88	88																									0			
1	FY 10	A	19	19																									0			
1	FY 09	AR	3	3																									0			
1	FY 10	AR	3	3																									0			
1	FY 10	NG	2	2																									0			
1	FY 11	NG	17	17																									0			
1	FY 08	TOT	116	0	116						10	10	10	10	10	10	10	10	9	9	9	9							0			
1	FY 09	TOT	91	0	91					A												9	9	8	8	8	7	7	35			
1	FY 10	TOT	24	0	24																A								24			
1	FY 11	TOT	17	0	17																								17			
Total					248						10	10	10	10	10	10	10	10	9	9	9	9	9	9	8	8	8	7	7	76		
						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			1	Prior 1 Oct				
								Initial				Reorder
1	BAE Systems, York, PA	12	72	144	2	1	0	4	12	16		
							0	6	12	18		

FY 11 / 12 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)										Date: February 2010									
COST ELEMENTS					Fiscal Year 11										Fiscal Year 12										Later				
MFR	FY	SERV	PROC QTY Units	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
Vehicle Manufacturing - Contractor																													
1	FY 09	A	88	88																								0	
1	FY 10	A	19	19																								0	
1	FY 09	AR	3	3																								0	
1	FY 10	AR	3	3																								0	
1	FY 10	NG	2	2																								0	
1	FY 11	NG	17	17																								0	
1	FY 08	TOT	116	116																								0	
1	FY 09	TOT	91	56	35	7	7	7	7	7																		0	
1	FY 10	TOT	24	0	24				2	2	2	2	2	2	2	2	2	2	2									0	
1	FY 11	TOT	17	0	17					A											2	2	2	2	2	1	1	5	
Total					76	7	7	7	9	9	2	2	2	2	2	2	2	2	2			2	2	2	2	2	1	1	5
					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	BAE Systems, York, PA	12	72	144	2	1	Initial	0	4	12	16	
							Reorder	0	6	12	18	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 13 / 14 BUDGET PRODUCTION SCHEDULE					P-1 ITEM NOMENCLATURE IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)													Date: February 2010														
COST ELEMENTS					Fiscal Year 13													Fiscal Year 14														
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 13													Calendar Year 14													Later
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
Vehicle Manufacturing - Contractor																																
1	FY 09	A	88	88																								0				
1	FY 10	A	19	19																									0			
1	FY 09	AR	3	3																									0			
1	FY 10	AR	3	3																									0			
1	FY 10	NG	2	2																									0			
1	FY 11	NG	17	17																									0			
1	FY 08	TOT	116	116																									0			
1	FY 09	TOT	91	91																									0			
1	FY 10	TOT	24	24																									0			
1	FY 11	TOT	17	12	5	1	1	1	1	1																			0			
Total					5	1	1	1	1	1																						
						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	BAE Systems, York, PA	12	72	144	2	1	Initial	0	4	12	16	
							Reorder	0	6	12	18	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles
 P-1 Item Nomenclature: ARMORED BREACHER VEHICLE (G82925)

Program Elements for Code B Items:		Code:		Other Related Program Elements:						
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	10		13	17	27	7	25	25		124
Gross Cost	44.8		63.1	77.9	125.2	39.1	114.8	115.5		580.4
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	44.8		63.1	77.9	125.2	39.1	114.8	115.5		580.4
Initial Spares										
Total Proc Cost	44.8		63.1	77.9	125.2	39.1	114.8	115.5		580.4
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown

Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Active	Qty	0	6	12	21	7	21	21
	Gross Cost	0.0	27195.0	53060.0	95857.0	39088.0	96765.0	97526.0
National Guard	Qty	0	7	5	6	0	4	4
	Gross Cost	0.0	35860.0	24870.0	29309.0	0.0	18000.0	18000.0
Reserve	Qty	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	13	17	27	7	25	25
	Gross Cost	0	63055	77930	125166	39088	114765	115526

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), Combat Dozer Blade (CDB), two linear demolition charges (LDC), a lane-marking system, and weapon station integration on a modified M1A1 tank hull.

Army Acquisition Objective (AAO) ABV: 183

Justification:

FY 2011 Base procurement dollars in the amount of \$77.930 million procures 17 ABVs. The Army currently does not have the capabilities provided by the ABV. The ABV provides the Army and the Marine Corps a tracked armored capability to breach minefields, complex obstacles, providing in-stride breaching and lane marking capability in HBCTs.

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

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: ARMORED BREACHER VEHICLE (G82925)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	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
Hardware					53300	13	4100	69700	17	4100
System Fielding Support					4055		4055	3539		3539
Program Support					1300		1300	1141		1141
Matrix Support					1400		1400	1250		1250
Logistics Products					2500		2500	2000		2000
ECP's					500		500	300		300
Total:					63055			77930		

Exhibit P-5a, Budget Procurement History and Planning	Date: February 2010
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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)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Hardware										
FY 2010	Anniston Army Depot Anniston, AL	MIPR	TACOM, Warren, MI	Feb 10	Feb 11	13	4100	N/A	N/A	N/A
FY 2011	Anniston Army Depot Anniston, AL	MIPR	TACOM, Warren, MI	Jan 11	Jan 12	17	4100	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, contractor will continue to be Anniston Army Depot under Army management.

FY 09 / 10 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
ARMORED BREACHER VEHICLE (G82925)

Date:
February 2010

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 10	A	6	6																								0		
1	FY 10	NG	7	7																								0		
1	FY 10	TOT	13	0	13																							13		
1	FY 11	A	12	12																								0		
1	FY 11	NG	5	5																								0		
1	FY 11	TOT	17	0	17																							17		
Total					30																							30		
						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 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	Anniston Army Depot, Anniston, AL	1	12	36		1	Initial	0	5	12	17	
							Reorder	0	4	12	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 11 / 12 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE ARMORED BREACHER VEHICLE (G82925)										Date: February 2010															
COST ELEMENTS					Fiscal Year 11										Fiscal Year 12																				
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11										Calendar Year 12										Later									
						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 10	A	6	6																								0							
1	FY 10	NG	7	7																								0							
1	FY 10	TOT	13	0	13					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0							
1	FY 11	A	12	12																								0							
1	FY 11	NG	5	5																								0							
1	FY 11	TOT	17	0	17				A															1	1	1	1	1	1	1	1	2	2	6	
Total					30					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	6
						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	12	17																								
							Reorder	0	4	12	16																								
							Initial																												
							Reorder																												
							Initial																												
							Reorder																												
							Initial																												
							Reorder																												

COST ELEMENTS						Fiscal Year 13												Fiscal Year 14												Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 13												Calendar Year 14												
						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 10	A	6	6																								0		
1	FY 10	NG	7	7																								0		
1	FY 10	TOT	13	13																								0		
1	FY 11	A	12	12																								0		
1	FY 11	NG	5	5																								0		
1	FY 11	TOT	17	11	6	2	2	2																				0		
Total					6	2	2	2																						
						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			1	Prior 1 Oct				After 1 Oct
1	Anniston Army Depot, Anniston, AL	1	12	36		1	Initial	0	5	12	17	
							Reorder	0	4	12	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature M88 FOV MODS (G80571)
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Program Elements for Code B Items:		Code:	Other Related Program Elements:							
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost				9.2	61.4	49.4				119.9
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				9.2	61.4	49.4				119.9
Initial Spares										
Total Proc Cost				9.2	61.4	49.4				119.9
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown									
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	
Active	Qty	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	9157.0	51393.0	27823.0	0.0	0.0	0.0
National Guard	Qty	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	10000.0	15550.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	5984.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0
	Gross Cost	0	0	9157	61393	49357	0	0	0

Description:
 FY11 begins procurement of M88 Family of Vehicles (FOV) modifications. The intent of these modifications is to maintain operational readiness rates, improve vehicle safety and operation, and minimize the effects of component obsolescence. In FY11, Operational Modification Kits will be procured for the M88 FOV. Specific modifications include an automatic fire extinguishing system, upgraded electrical circuit panel, improved operational and task lighting, a driver's vision enhancer for optimal night operation, crew cooling kit provisions to allow for installation of a crew cooling system in hot operating environments, enhanced vehicle diagnostics tied to the vehicle's interactive electronic technical manuals, and an improved metal cutting tool to reduce recovery time in combat situations. Future modifications may include a modern electronic fuel injection system for the engine, a common engine/transmission for the M88 FOV, as well as safety improvements.

Justification:
 FY11 Base procurement dollars in the amount of \$9.157 million supports the procurement of 29 Operational Modification Kits. The AAO for the M88A1 is 1030 and for the M88A2 is 607. Within the Operational Modification Kit, the automatic fire extinguishing system will provide automatic detection and extinguishing capability versus the current manual activation mode, the upgraded electrical panel will enable troops to connect new systems, including situational awareness and electronic countermeasure, without an impact to other circuits, improved lighting will use new technology currently in use commercially to reduce current draw and improve efficiency, driver's vision enhancer will be installed on all M88 FOV to standardize night vision capability, crew

Exhibit P-40, Budget Item Justification Sheet	Date:
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February 2010

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature M88 FOV MODS (G80571)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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cooling kit provisions will enable crew cooling kits to be installed at the unit's discretion to improve hot environment survivability, enhanced diagnostics will reduce vehicle downtime when troubleshooting and repairing vehicle hydraulic systems, the improved metal cutting tool will greatly reduce time required to remove damaged material from vehicles in order to effect rapid recovery. Future modifications such as the engine fuel injection system and common engine/transmission will provide for improved component durability and also reduced life cycle repair and maintenance costs.

Exhibit P-40M, Budget Item Justification Sheet	Date: February 2010
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature M88 FOV MODS (G80571)
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Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TC	Total
M88 FOV Field Upgrades											
0-00-00-0000		0.0	0.0	0.0	9.2	61.4	49.4	0.0	0.0	0.0	120.0
Totals		0.0	0.0	0.0	9.2	61.4	49.4	0.0	0.0	0.0	120.0

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: M88 FOV Field Upgrades [MOD 1] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: M88A1 and M88A2

DESCRIPTION / JUSTIFICATION:
 Provides funding for components and labor for operational modifications in support of the M88 Family of Vehicles. These modifications correct or alleviate operational deficiencies, improve reliability and maintainability, reduce logistical support requirements, standardize equipment and training, and prevent injury or damage to equipment.

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
													7	7	7	8	74	73	72	72
													7	7	7	8	74	73	72	72
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				
51	51	51	50													1114	1637			
51	51	51	50													1114	1637			

METHOD OF IMPLEMENTATION: Field Mod ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 8 months
 Contract Dates: FY 2010 - FY 2011 - Dec 2010 FY 2012 - Dec 2011
 Delivery Dates: FY 2010 - FY 2011 - Aug 2011 FY 2012 - Aug 2012

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): M88 FOV Field Upgrades [MOD 1] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
M88 FOV Mod Kit							29	3.6	291	42.4	203	31.0								523	77.0
Testing								5.6		4.9		3.0									13.5
Mounted Soldier										14.1		15.4									29.5
Installation of Hardware																					
FY 2008 & Prior Equip -- Kits																					
FY 2009 -- Kits																					
FY 2010 Equip -- Kits																					
FY 2011 Equip -- Kits									29											29	
FY 2012 Equip -- Kits										291										291	
FY 2013 Equip -- Kits												203								203	
FY 2014 Equip -- Kits																					
FY 2015 Equip -- Kits																					
TC Equip- Kits																	1114			1114	
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	29	0.0	291	0.0	203	0.0	0	0.0	1114	0.0		1637	0.0
Total Procurement Cost		0.0		0.0		0.0		9.2		61.4		49.4		0.0		0.0		0.0			120.0

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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:							
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	6	2	17	9	14	21	30	33		132
Gross Cost	10.3	10.0	70.4	44.1	58.8	72.9	100.8	111.9		479.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	10.3	10.0	70.4	44.1	58.8	72.9	100.8	111.9		479.2
Initial Spares										
Total Proc Cost	10.3	10.0	70.4	44.1	58.8	72.9	100.8	111.9		479.2
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown										
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015		
Active	Qty	2	4	3	0	10	20	17		
	Gross Cost	10014.0	14958.0	15788.0	0.0	34441.0	64837.0	57950.0		
National Guard	Qty	0	4	5	1	11	5	11		
	Gross Cost	0.0	19800.0	21911.0	5440.0	38427.0	17925.0	35954.0		
Reserve	Qty	0	9	1	13	0	5	5		
	Gross Cost	0.0	35661.0	6434.0	53339.0	0.0	18000.0	18000.0		
Total	Qty	2	17	9	14	21	30	33		
	Gross Cost	10014	70419	44133	58779	72868	100762	111904		

Description:
The Joint Assault Bridge (JAB) replaces the existing M48/M60 chassis of the Armored Vehicle Launch Bridge (AVLB) to launch and recover the AVLB sixty (60) foot scissor bridge. The JAB consists of a modified M1A1 Abrams tank hull integrated with a Hydraulic Bridge Launcher (HBL) system. The M1A1 hull provides a supportable, survivable, system capable of keeping pace on the battlefield with the forces it supports.

JAB AAO: 168

Justification:
FY 2011 Base procurement dollars in the amount of \$44.133 million procures 9 Joint Assault Bridges. The JAB is required to provide Army Heavy Brigade Combat Teams (HBCTs) 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.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No:	P-1 Line Item Nomenclature:	Weapon System Type:	Date:
	Procurement of W&TCV, Army / 1 / Tracked combat vehicles	JOINT ASSAULT BRIDGE (GZ3001)		February 2010

WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	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
Hardware		6614	2	3307	62900	17	3700	35608	9	3956
Fielding Support		1000			2139			2600		
Logistics Products		150			350			350		
Matrix Support		700			1000			1000		
Program Support		600			900			975		
Transportation										
ECPs		100			300			750		
Simulators		850								
Bridge Upgrades					2830			2850		
Total:		10014			70419			44133		

Exhibit P-5a, Budget Procurement History and Planning	Date: February 2010
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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)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Hardware										
FY 2009	Anniston Army Depot Anniston, AL	MIPR	TACOM, Warren, MI	Nov 09	Nov 10	2	3307	N/A	N/A	N/A
FY 2010	Anniston Army Depot Anniston, AL	MIPR	TACOM, Warren, MI	Feb 10	Feb 11	17	3700	N/A	N/A	N/A
FY 2011	Anniston Army Depot Anniston, AL	MIPR	TACOM, Warren, MI	Jan 11	Jan 12	9	3956	N/A	N/A	N/A

REMARKS:

FY 09 / 10 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
JOINT ASSAULT BRIDGE (GZ3001)

Date:
February 2010

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 09	A	2	0	2																							2		
1	FY 10	A	4	4																								0		
1	FY 10	AR	9	9																								0		
1	FY 10	NG	4	4																								0		
1	FY 10	TOT	17	0	17																							17		
1	FY 11	A	3	3																								0		
1	FY 11	AR	1	1																								0		
1	FY 11	NG	5	5																								0		
1	FY 11	TOT	9	0	9																							9		
Total					28																							28		
						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	12	17	
							Reorder	0	4	12	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 11 / 12 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE JOINT ASSAULT BRIDGE (GZ3001)										Date: February 2010									
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
Hardware																													
1	FY 09	A	2	0	2		1	1																				0	
1	FY 10	A	4	4																								0	
1	FY 10	AR	9	9																								0	
1	FY 10	NG	4	4																								0	
1	FY 10	TOT	17	0	17				2	2	2	2	2	2	2	1	1	1										0	
1	FY 11	A	3	3																								0	
1	FY 11	AR	1	1																								0	
1	FY 11	NG	5	5																								0	
1	FY 11	TOT	9	0	9			A												1	1	1	1	1	1	1	1	0	
Total							1	1		2	2	2	2	2	2	1	1	1		1	1	1	1	1	1	1	1	1	
						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	12	17	
							Reorder	0	4	12	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature M1 ABRAMS TANK (MOD) (GA0700)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements: 0203735.330
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	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	3651.4	737.1	183.3	230.9	160.1				1993.9	6956.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	3651.4	737.1	183.3	230.9	160.1				1993.9	6956.7
Initial Spares										
Total Proc Cost	3651.4	737.1	183.3	230.9	160.1				1993.9	6956.7
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown										
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015		
Active	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	653699.0	109262.0	56907.0	40137.0	0.0	0.0	0.0	0.0	0.0
National Guard	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	83358.0	74000.0	174000.0	120000.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	737057	183262	230907	160137	0	0	0	0	0

Description:
The Abrams Tank Fleet Modification Program applies Materiel Developer and Combat Developer approved modifications to the fielded Abrams family of vehicles and the Abrams M1A1 Situational Awareness (SA) RECAP Program. Unique M1A1 Situational Awareness (SA) improvements include 2nd Gen Forward Looking InfraRed (FLIR), and Far Target Locate. Lethality and survivability improvements include a Stabilized Commander's Weapon Station (SCWS) for M1A1 and M1A2. Common Abrams modifications include 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, ammunition rack upgrades, Autoflug weldments, Counter Sniper Anti-Material Mount (CSAAM) weldments, headrest brackets, and Rear View Sensing System (RVSS).

Justification:
FY11 base procurement dollars in the amount of \$230.907 million supports the procurement of long lead material for 87 M1A1 Situational Awareness (SA) vehicles to support the ARNG realignment. It also supports the field application of Loaders Tray Safety Fixes, Rear View Sensor System (RVSS), Tiger Data Memory Module, Autoflug weldments, headrest brackets, Ammunition Rack Upgrades, Counter Sniper Anti-Material Mount (CSAAM) weldments, and road arm improvements.

Exhibit P-40M, Budget Item Justification Sheet										Date: February 2010	
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles					P-1 Item Nomenclature M1 ABRAMS TANK (MOD) (GA0700)						
Appropriation / Budget Activity / Serial No:					P-1 Item Nomenclature						
Program Elements for Code B Items:						Code: A		Other Related Program Elements: 0203735.330			
Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TC	Total
Prior Year Closed Mod's											
0-00-00-0000		859.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	859.6
Abrams Field Upgrades											
1-97-05-4534	Operational	214.7	35.4	33.3	36.0	29.6	0.0	0.0	0.0	900.0	1249.0
M1A1 Situational Awareness (SA)											
2-04-05-0009	Operational	487.2	0.0	0.3	120.7	82.4	0.0	0.0	0.0	0.0	690.6
Other Operational Enhancements											
2-04-05-0011	Operational	118.4	73.7	0.0	7.2	5.0	0.0	0.0	0.0	1000.0	1204.3
Armor											
1-99-05-4555	Operational	471.2	27.5	28.1	56.6	32.5	0.0	0.0	0.0	93.9	709.8
Engineering Support											
0-00-00-0000	Operational	50.2	2.3	2.4	2.4	2.5	0.0	0.0	0.0	0.0	59.8
Situational Awareness/Tank Urban Survivability Kit											
2-04-05-0012	Operational	785.7	425.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1211.6
Power Pack Improvement & Integration Optimization											
2-04-05-0008	Operational	664.4	172.3	93.6	8.0	8.1	0.0	0.0	0.0	0.0	946.4
Training Devices											
0-00-00-0000		0.0	0.0	25.6	0.0	0.0	0.0	0.0	0.0	0.0	25.6
Totals		3651.4	737.1	183.3	230.9	160.1	0.0	0.0	0.0	1993.9	6956.7

INDIVIDUAL MODIFICATION

Date: February 2010

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. Field modifications include a Stabilized Commander's Weapon Station (SCWS) for M1A1 and Commander's Remote Operating Weapon System (CROWS) for M1A2, Ammunition Rack Safety Mod, Rear View Sensor System (RVSS), Total Integrated Engine Revitalization (TIGER) Engine Data Memory Modules integration kits, roadarm improvements, headrest bracket, autoflug weldments, Counter Sniper Anti-Material Mount (CSAMM) weldments, Driver's Viewer Enhancement (DVE) stowage brackets and tank infantry phones. Upgrades will be applied as needed for the duration of Abrams fieldings. Field installation costs are included in the contractor costs.

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

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		

METHOD OF IMPLEMENTATION: Contractor Teams **ADMINISTRATIVE LEADTIME:** 4 months **PRODUCTION LEADTIME:** 0 months
Contract Dates: FY 2010 - Jan 10 FY 2011 - Jan 11 FY 2012 - Jan 12
Delivery Dates: FY 2010 - Varies FY 2011 - Varies FY 2012 - Varies

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RD&E																				
Procurement																				
Kit Quantity																				
Installation Kits		214.7		35.4		33.3		36.0		29.6								900.0		1249.0
Installation Kits, Nonrecurring Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		214.7		35.4		33.3		36.0		29.6		0.0		0.0		0.0		900.0		1249.0

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: M1A1 Situational Awareness (SA) [MOD 3] 2-04-05-0009

MODELS OF SYSTEM AFFECTED: M1A1 SA

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 (DVE), digital electronic control unit (DECU), Loaders Tray, 2nd Gen Forward Looking InfraRed (FLIR), Tank Infantry Phone (TIP), Armor, 50 Cal Thermal Sight, Thermal Receiving Unit (TRU), Power Conditioning Unit (PCU), Biocular Image Control Unit (BICU), transmission overhaul kit, and enhanced embedded diagnostics. Installation costs are included in the contractor costs. Contractor dates will vary depending on the item.

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
539	38	45	40	45	40	30	14						12	15	20	30	16	12	12	12
419	40	45	45	40	40	45	45	42	30						21	22	22	22	12	12
																To Complete	Totals			
FY 2014				FY 2015				FY 2016				FY 2017								
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
8																		928		
13	13																	928		

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 0 months PRODUCTION LEADTIME: 0 months
 Contract Dates: FY 2010 - Varies FY 2011 - Varies FY 2012 - Varies
 Delivery Dates: FY 2010 - Varies FY 2011 - Varies FY 2012 - Varies

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): M1A1 Situational Awareness (SA) [MOD 3] 2-04-05-0009

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RD&E																					
Procurement																					
Kit Quantity																					
Installation Kits	791	487.2			0.3		87	120.7	50	82.4									928	690.6	
Installation Kits, Nonrecurring Equipment																					
Equipment, Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment																					
Support Equipment																					
Other																					
Interim Contractor Support																					
Installation of Hardware																					
FY 2007 & Prior Equip -- Kits	539		168		54														761		
FY 2008 -- Kits					30														30		
FY 2009 Equip -- Kits																					
FY 2010 Equip -- Kits																					
FY 2011 Equip -- Kits									43		44								87		
FY 2012 Equip -- Kits											24		26						50		
FY 2013 Equip -- Kits																					
FY 2014 Equip -- Kits																					
TC Equip -- Kits																					
Total Installment	539	0.0	168	0.0	84	0.0	0	0.0	43	0.0	68	0.0	26	0.0	0	0.0	0	0.0	928	0.0	
Total Procurement Cost		487.2		0.0		0.3		120.7		82.4		0.0		0.0		0.0		0.0		690.6	

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Other Operational Enhancements [MOD 4] 2-04-05-0011

MODELS OF SYSTEM AFFECTED: M1A1 SA and M1A2 SEP

DESCRIPTION / JUSTIFICATION:

This modification includes an interim Auxiliary Power Unit (APU) solution that will power the tank's electrical systems without operating the main engine, an added stowage bracket and cover to accommodate two M4 Carbines, a Profile Verification Program (PVP) and a Counter Remote Controlled Improvised Explosive Device (RCIED) Electronic Warfare (CREW) Integration Kit to enhance crew survivability. Other Operational modifications include the Ammunition Rack Upgrade, Improved External Auxiliary Power Unit (EAPU) Upgrade, Reprogrammable Computer Electronic Unit (RCEU), Enhanced Embedded Diagnostics which enables Condition Based Maintenance, and Blue Force Tracking. Contractor dates will vary depending on the item.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Items described above will have varying milestones and quantities.

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

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	

METHOD OF IMPLEMENTATION: Contractor/Depot ADMINISTRATIVE LEADTIME: 0 months PRODUCTION LEADTIME: 0 months
 Contract Dates: FY 2010 - Varies FY 2011 - Varies FY 2012 - Varies
 Delivery Dates: FY 2010 - Varies FY 2011 - Varies FY 2012 - Varies

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): Other Operational Enhancements [MOD 4] 2-04-05-0011

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RD&E																				
Procurement																				
Kit Quantity																				
Installation Kits		118.4		73.7				7.2		5.0								1000.0		1204.3
Installation Kits, Nonrecurring Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		118.4		73.7		0.0		7.2		5.0		0.0		0.0		0.0		1000.0		1204.3

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Armor [MOD 5] 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
539	38	45	40	45	40	35	29	10					12	25	20	30	6	12	12	12
539	40	44	44	40	21	21	21	21	15	15					21	22	22	22	12	12

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		
8																	958
13	13																958

METHOD OF IMPLEMENTATION: Contractor Teams **ADMINISTRATIVE LEADTIME:** 4 months **PRODUCTION LEADTIME:** 18 months
 Contract Dates: FY 2010 - Jan 10 FY 2011 - Dec 11 FY 2012 - Dec 13
 Delivery Dates: FY 2010 - Jul 10 FY 2011 - Jun 12 FY 2012 - Jun 13

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): Armor [MOD 5] 1-99-05-4555

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RD&E																				
Procurement																				
Kit Quantity																				
Installation Kits	734	471.2	42	27.5	45	28.1	87	56.6	50	32.5								93.9	958	709.8
Installation Kits, Nonrecurring Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2007 & Prior Equip -- Kits	539		168		54															761
FY 2008 -- Kits					30															30
FY 2009 Equip -- Kits							30													30
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits									43		44									87
FY 2012 Equip -- Kits											24		26							50
FY 2013 Equip -- Kits																				
FY 2014 Equip -- Kits																				
TC Equip- Kits																				
Total Installment	539	0.0	168	0.0	84	0.0	30	0.0	43	0.0	68	0.0	26	0.0	0	0.0	0	0.0	958	0.0
Total Procurement Cost		471.2		27.5		28.1		56.6		32.5		0.0		0.0		0.0		93.9		709.8

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Engineering Support [MOD 6] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Whole Fleet

DESCRIPTION / JUSTIFICATION:
Support encompasses Total Package Fielding (TPF) and Special Tools & Test Equipment (ST&TE) for the Abrams fleet.

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

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	

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: February 2010

MODIFICATION TITLE (cont): Engineering Support [MOD 6] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RD&E																				
Procurement																				
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support		50.2		2.3		2.4		2.4		2.5										59.8
Other																				
Interim Contractor Support																				
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		50.2		2.3		2.4		2.4		2.5		0.0		0.0		0.0		0.0		59.8

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Power Pack Improvement & Integration Optimization [MOD 8] 2-04-05-0008

MODELS OF SYSTEM AFFECTED: M1A2 SEP, M1A1 SA, Reset

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. The TIGER Program supports the Abrams Advanced Gas Turbine (AGT) 1500 Engine Overhaul line for vehicle production/reset. Installation costs are included in contractor charges.

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
1720	163	163	163	164	79	79	80	80					21	22	22	22	12	12	13	13
1720	108	108	108	108	134	135	135	135					21	22	22	22	12	12	13	13

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		
																	2828
																	2828

METHOD OF IMPLEMENTATION: Contractor/Depot ADMINISTRATIVE LEADTIME: 0 months PRODUCTION LEADTIME: 0 months
 Contract Dates: FY 2010 - Varies FY 2011 - Varies FY 2012 - Varies
 Delivery Dates: FY 2010 - Varies FY 2011 - Varies FY 2012 - Varies

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): Power Pack Improvement & Integration Optimization [MOD 8] 2-04-05-0008

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
RD&E																						
Procurement																						
Kit Quantity																						
Installation Kits	1720	664.4	653	172.3	318	93.6	87	8.0	50	8.1									2828	946.4		
Installation Kits, Nonrecurring Equipment																						
Equipment, Nonrecurring																						
Engineering Change Orders																						
System Technical Support																						
Training Equipment																						
Support Equipment																						
Other																						
Interim Contractor Support																						
Installation of Hardware																						
FY 2007 & Prior Equip -- Kits	1271																			1271		
FY 2008 -- Kits	449																			449		
FY 2009 Equip -- Kits			432		415															847		
FY 2010 Equip -- Kits					124															124		
FY 2011 Equip -- Kits									87											87		
FY 2012 Equip -- Kits											50									50		
FY 2013 Equip -- Kits																						
FY 2014 Equip -- Kits																						
TC Equip- Kits																						
Total Installment	1720	0.0	432	0.0	539	0.0	0	0.0	87	0.0	50	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2828	0.0
Total Procurement Cost		664.4		172.3		93.6		8.0		8.1		0.0		0.0		0.0		0.0		0.0		946.4

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Training Devices [MOD 9] 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, Gunnery Trainer Tech Refresh, Close Combat Tactical Trainer (CCTT) Tech Refresh, Common Drivers Trainer Upgrades, Desktop Trainer Lessons, Abrams Common Software Library and Through Sight Video). Contractor dates will vary by item and cannot be predicted.

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

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		

METHOD OF IMPLEMENTATION: Contractor **ADMINISTRATIVE LEADTIME:** 0 months **PRODUCTION LEADTIME:** 0 months
 Contract Dates: FY 2010 - varies FY 2011 - FY 2012 -
 Delivery Dates: FY 2010 - varies FY 2011 - FY 2012 -

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): Training Devices [MOD 9] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RD&E																					
Procurement																					
Kit Quantity																					
Installation Kits																					
Installation Kits, Nonrecurring																					
Equipment																					
Equipment, Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment						25.6															25.6
Support Equipment																					
Other																					
Interim Contractor Support																					
Installation of Hardware																					
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	0	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		0.0		0.0		0.0		0.0		0.0		0.0	25.6

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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

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

	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty		111	22	21	21					175
Gross Cost	7214.2	580.5	185.0	183.0	188.8	282.7	280.8	278.6		9193.7
Less PY Adv Proc	2064.5									2064.5
Plus CY Adv Proc	2064.5									2064.5
Net Proc P1	7214.2	580.5	185.0	183.0	188.8	282.7	280.8	278.6		9193.7
Initial Spares										
Total Proc Cost	7214.2	580.5	185.0	183.0	188.8	282.7	280.8	278.6		9193.7
Flyaway U/C										
Weapon System Proc U/C										

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:

FY11 Base procurement dollars in the amount of \$183.000 million will procure 21 Abrams M1A2 SEP Upgrade Vehicles to support the Active Army. The Abrams Upgrade Program will upgrade the tanks, automotive power pack, computer systems, and night vision capabilities.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: ABRAMS UPGRADE PROGRAM (GA0750)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Basic Vehicle	A	314962	111	2837	70118	22	3187	71182	21	3390
FLIR	A	39531	111	356						
GFE	A	15385			14648			22273		
Depot Maint Pre-Mod	A	89595	111	807	11310	22	514	7868	21	375
STS, TPF, Special Tools&TS, Gov't Spt	A	115870			83062			62877		
Initial Spares/Authorized Stock List		5200			5900			18800		
Total:		580543			185038			183000		

Exhibit P-5a, Budget Procurement History and Planning	Date: February 2010
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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)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Basic Vehicle										
FY 2009	Joint Systems Mfg Center Lima, OH	MYP/FFP	TACOM-Warren	Feb 09	Jan 12	111	2837	yes		
FY 2010	Joint Systems Mfg Center Lima, OH	MYP/FFP	TACOM-Warren	Feb 10	Aug 12	22	3187	yes		
FY 2011	Joint Systems Mfg Center Lima, OH	MYP/FFP	TACOM-Warren	Feb 11	Oct 12	21	3390	yes		
FLIR										
FY 2009	Raytheon McKinney, TX	SS/CPFF	CECOM - Picatinny	Feb 09	Jul 11	111	356	yes		

REMARKS:

FY 09 / 10 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
ABRAMS UPGRADE PROGRAM (GA0750)

Date:
February 2010

COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later						
MFR	FY	SERV	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																															22
1	FY 11	A	21	0	21																															21
Total					512																															428

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 Systems Mfg Center, Lima, OH	60	120	336		1	Initial	0	5	30	35	
							Reorder	0	5	20	25	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 11 / 12 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
ABRAMS UPGRADE PROGRAM (GA0750)

Date:
February 2010

COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
MFR	FY	SERV	PROC QTY Units	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	
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		
1	FY 11	A	21	0	21					A																		21		
Total					428	20	22	22	23	28	18	18	20	15	14	15	15	15	10	14	15	15	15	15	20	22	9	9	9	30
						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	Joint Systems Mfg Center, Lima, OH	60	120	336		1	Initial	0	5	30	35	
							Reorder	0	5	20	25	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 13 / 14 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
ABRAMS UPGRADE PROGRAM (GA0750)

Date:
February 2010

COST ELEMENTS					Fiscal Year 13													Fiscal Year 14													Later	
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 13													Calendar Year 14													
						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	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
1	FY 11	A	21	0	21	1	9	9	2																			0
Total					30	10	9	9	2																			
					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	Joint Systems Mfg Center, Lima, OH	60	120	336		1	Initial	0	5	30	35	
							Reorder	0	5	20	25	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	393.8	7.1	6.6	3.1	1.1	1.1	1.5	1.8		416.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	393.8	7.1	6.6	3.1	1.1	1.1	1.5	1.8		416.2
Initial Spares										
Total Proc Cost	393.8	7.1	6.6	3.1	1.1	1.1	1.5	1.8		416.2
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:
 FY2011 Base procurement funds procure, repair, or replace Government-owned Industrial Plant Equipment (IPE) and Government-owned Real Property at the Joint System Manufacturing Center at Lima (JSMCL), formerly the Lima Army Tank Plant (LATP). In addition, this program procures repair or replacement of Government-owned IPE at contractor-owned manufacturing facilities in Muskegon, MI, Scranton, PA, Indianapolis, IN, and other locations. This request also supports emergency repairs to prevent production interruptions or loss of resources, as well as addressing threats to security, worker safety, and environmental issues. At JSMCL, projects include repair and rehab of machining centers, rehab of underground utilities and sewers, repair and upgrade of building electrical controls and resurfacing of deteriorating asphalt and concrete surfaces. At the other locations, most projects address planned rehab or emergency repair of Government-owned machining centers and other Government IPE. These projects help prevent increased costs due to obsolete or uneconomical equipment, and also address environmental and safety deficiencies. In addition, this project covers unplanned repairs to Government-owned equipment, as situations arise. 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 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.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	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		6662			6581			3145		
LIF		453								
Total:		7115			6581			3145		

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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:

	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	763	90	70	2						925
Gross Cost	614.7	112.6	95.3	5.6						828.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	614.7	112.6	95.3	5.6						828.2
Initial Spares										
Total Proc Cost	614.7	112.6	95.3	5.6						828.2
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown

Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Active	Qty	26	30	0	0	0	0	0
	Gross Cost	34115.0	41941.0	0.0	0.0	0.0	0.0	0.0
National Guard	Qty	64	40	2	0	0	0	0
	Gross Cost	78483.0	53395.0	5575.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	90	70	2	0	0	0	0
	Gross Cost	112598	95336	5575	0	0	0	0

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

Justification:
 FY11 Base procurement dollars, in the amount of \$5.575 million, support procurement of last two Howitzers as well as fielding costs of Howitzers procured in prior years.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
M119A2 105mm Howitzer Production	A	70830	90	787	56317	70	804	1608	2	804
Basic Issue Items & Initial Spares		6182			6978			199		
Test / Acceptance		6120			6400			183		
System Eng / Program Mgt / Fielding		14566			15500			3295		
Digitization Integration (NRE) Modificat		14900			10141			290		
Total:		112598			95336			5575		

Exhibit P-5a, Budget Procurement History and Planning	Date: February 2010
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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)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
M119A2 105mm Howitzer Production										
FY 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	804			
FY 2011	Rock Island Arsenal Rock Island, IL	PWD		Dec 10	Aug 11	2	804			

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

FY 09 / 10 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)

Date:
February 2010

COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later		
MFR	FY	SERV	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			
M119A2 105mm Howitzer Production																																
1	FY 08	TOT	127	0	127								10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	0			
1	FY 09	A	26	26																									0			
1	FY 09	NG	64	64																									0			
1	FY 09	TOT	90	0	90				A																4	4	5	10	10	10	10	37
1	FY 10	A	30	30																										0		
1	FY 10	NG	40	40																										0		
1	FY 10	TOT	70	0	70														A											70		
1	FY 11	NG	2	0	2																									2		
Total					289								10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	109		
						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			1	Initial				After 1 Oct
1	Rock Island Arsenal, Rock Island, IL	12	120	120		1	Initial	0	3	15	18	
							Reorder	0	3	8	11	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
MFR	FY	SERV	PROC QTY Units	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	

M119A2 105mm Howitzer Production																																			
1	FY 08	TOT	127	127																															0
1	FY 09	A	26	26																															0
1	FY 09	NG	64	64																															0
1	FY 09	TOT	90	53	37	10	10	6	6	5																									0
1	FY 10	A	30	30																															0
1	FY 10	NG	40	40																															0
1	FY 10	TOT	70	0	70			4	4	5	10	10	10	10	10	7																			0
1	FY 11	NG	2	0	2			A								2																			0
Total					109	10	10	10	10	10	10	10	10	10	10	9																			
						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			1	Initial				After 1 Oct
1	Rock Island Arsenal, Rock Island, IL	12	120	120		1	Initial	0	3	15	18	
							Reorder	0	3	8	11	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	352.9	6.7	6.6	3.1	1.1	1.1	1.5	1.8		374.9
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	352.9	6.7	6.6	3.1	1.1	1.1	1.5	1.8		374.9
Initial Spares										
Total Proc Cost	352.9	6.7	6.6	3.1	1.1	1.1	1.5	1.8		374.9
Flyaway U/C										
Weapon System Proc U/C										

Description:
This program provides for the Provision of Industrial Facilities (PIF). Funds are used to establish, modernize, expand or replace facilities owned by the Army. It provides Production Support Equipment Replacement and Modernization to Government-owned equipment and real property used in the production of Weapons and Tracked Combat Vehicles. This effort supports the Reset, Abrams Integrated Management (AIM), Systems Enhancement Program (SEP) Programs, and Spin-Out Framework. In addition this program supports multiple track and wheeled vehicle systems across the TACOM LCMC community, Overseas Contingency Operations (OCO) support, and facilitization/modernization at Rock Island and Watervliet Arsenal, to include obsolescence issues.

Justification:
FY2011 Base procurement funds procure, repair, or replace Government-owned Industrial Plant Equipment (IPE) and Government-owned Real Property at the Joint System Manufacturing Center at Lima (JSMCL), formerly the Lima Army Tank Plant (LATP). In addition, this program procure, repair, or replace 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: February 2010

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 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>
<u>Production Support</u>					
	M1 Abrams Program-LIMA	U6037	3997	3685	1603
	M1 Abrams Program-SCRANTON	U6040	2665	2454	993
	TACOM LCMC Production Base Spt Program	U4282		442	549
	Subtotal - Production		6,662	6,581	3,145
<u>Environmental</u>					
	Subtotal - Environmental		0	0	0
	Total Industrial Facilities		6,662	6,581	3,145

Exhibit P-25, Production Support and Industrial Facilities Cost Analysis (<i>Dollars in Thousands</i>)	1. Date: February 2010
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2. Project Title/Type M1 Abrams Program-LIMA	3. End Item Supported Model Not Applicable
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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 09	FY 10	FY 11	H. Facility														
A. Construction Cost	3997	3685	1603	1. Name: -														
B. Equipment Cost* (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.				I. Related Projects														
3.				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Project Number</th> <th style="width: 30%;">Title</th> <th style="width: 10%;">FY & Appn</th> <th style="width: 10%;">Value (\$ Mil)</th> <th style="width: 10%;">Facing</th> <th style="width: 10%;">Start Date</th> <th style="width: 10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date												
Subtotal Costs																		
C. Equipment Installation Cost																		
D. Contractor Support Cost																		
E. Corps of Engineers Support Cost																		
F. Other In-House Support Cost																		
Total Facility Project Cost	3997	3685	1603	J. Principal Milestones														
G. Other Costs																		
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>														

Narrative Explanation:

Exhibit P-25, Production Support and Industrial Facilities Cost Analysis (<i>Dollars in Thousands</i>)	1. Date: February 2010
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2. Project Title/Type M1 Abrams Program-SCRANTON	3. End Item Supported Model Not Applicable
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4. Project Number: U6040	5. Annual Capacity Before (1-8-5) N/A	6. Annual Capacity After (1-8-5): N/A
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Element of Cost	FY 09	FY 10	FY 11	H. Facility														
A. Construction Cost	2665	2454	993	1. Name: -														
B. Equipment Cost* (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.				I. Related Projects														
3.				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Project Number</th> <th style="width:30%;">Title</th> <th style="width:10%;">FY & Appn</th> <th style="width:10%;">Value (\$ Mil)</th> <th style="width:10%;">Facing</th> <th style="width:10%;">Start Date</th> <th style="width:10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date												
Subtotal Costs																		
C. Equipment Installation Cost																		
D. Contractor Support Cost																		
E. Corps of Engineers Support Cost																		
F. Other In-House Support Cost																		
Total Facility Project Cost	2665	2454	993	J. Principal Milestones														
G. Other Costs																		
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>														

Narrative Explanation:

Exhibit P-25, Production Support and Industrial Facilities Cost Analysis (<i>Dollars in Thousands</i>)	1. Date: February 2010
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2. Project Title/Type TACOM LCMC Production Base Spt Program	3. End Item Supported Model Not Applicable
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4. Project Number: U4282	5. Annual Capacity Before (1-8-5) N/A	6. Annual Capacity After (1-8-5): N/A
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Element of Cost	FY 09	FY 10	FY 11	H. Facility														
A. Construction Cost				1. Name: -														
B. Equipment Cost* (Individual equipment cost should be specified for all equipment costing more than \$0.5 Million)		442	549	2. Location: <u>TACOM</u>														
1.				3. Type (GOGO, GOCO, COCO): -														
2.				I. Related Projects														
3.				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Project Number</th> <th style="width:30%;">Title</th> <th style="width:10%;">FY & Appn</th> <th style="width:10%;">Value (\$ Mil)</th> <th style="width:10%;">Facing</th> <th style="width:10%;">Start Date</th> <th style="width:10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date												
Subtotal Costs		442	549															
C. Equipment Installation Cost																		
D. Contractor Support Cost																		
E. Corps of Engineers Support Cost																		
F. Other In-House Support Cost																		
Total Facility Project Cost		442	549															
G. Other Costs				J. Principal Milestones														
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>														

Narrative Explanation:

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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)
--	--

Program Elements for Code B Items:	Code:	Other Related Program Elements:								
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	40.4	0.5								40.9
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	40.4	0.5								40.9
Initial Spares										
Total Proc Cost	40.4	0.5								40.9
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:
FY11 no funds requested.

Exhibit P-40C, Budget Item Justification Sheet

Date:
February 2010

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 09</u>	<u>FY 10</u>	<u>FY 11</u>
Rock Island Arsenal Rock Island, Illinois	TACOM LCMC Production Base Spt Program	U4282	0.453		
	Total		0.453		

Exhibit P-17, Layaway and/or Distribution	Date: February 2010
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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)
--	--

Project: U4282	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
	0.453						

Title: TACOM LCMC Production Base Spt Program
Description:

Manufacturer (Name and Location) Rock Island Arsenal Rock Island, Illinois	Production Lines being laid away (Include Location)	Production Ends
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Layaway Cost:	Other Costs:	Annual Maintenance Cost:
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Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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)
--	--

Program Elements for Code B Items:	Code: A	Other Related Program Elements:								
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	100466	8416	1400	1655						111937
Gross Cost	654.8	84.0	23.4	28.2						790.4
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	654.8	84.0	23.4	28.2						790.4
Initial Spares										
Total Proc Cost	654.8	84.0	23.4	28.2						790.4
Flyaway U/C										
Weapon System Proc U/C	0.0									0.0

P-40 Breakdown									
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	
Active	Qty	4690	398	452	0	0	0	0	0
	Gross Cost	46808.0	6675.0	7691.0	0.0	0.0	0.0	0.0	0.0
National Guard	Qty	2388	304	588	0	0	0	0	0
	Gross Cost	23831.0	5098.0	10000.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	1338	698	615	0	0	0	0	0
	Gross Cost	13351.0	11673.0	10488.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	8416	1400	1655	0	0	0	0	0
	Gross Cost	83990	23446	28179	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, carrying handle, 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 M240L will replace the M240B in Special Forces/Rangers, Light Infantry and Airborne units. The M240L 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:
FY11 Base procurement dollars in the amount of \$28.179 million supports the Active Army, National Guard and Army Reserve by purchasing 1,655 M240L Light Weight Machine guns. The

Exhibit P-40, Budget Item Justification Sheet	Date:
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February 2010

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

Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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M240L will significantly reduce the weight of the current M240B while maintaining the same level of reliability. The M240L will replace the M240B in Special Forces/Rangers, Light Infantry and Airborne units.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: M240 Medium Machine Gun (7.62mm) (G13000)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. M240 Series Weapons (Incls Blank Firing Device)										
Hardware (Infantry Version - M240B)	A	24910	4308	5.8						
Hardware (Light Weight Version - M240L)	B	55224	4108	13.4	19230	1400	13.7	24643	1655	14.9
2. Engineering Support		1920			2205			2104		
3. Integrated Logistics Support		390			250			250		
4. Engineering Change Proposals		180			300			235		
5. Total Package Fielding		512			400			250		
6. Engineering Studies		354			450			315		
7. New Equipment Training		155			150			150		
8. First Destination Transportation		345			161			92		
9. Testing					300			140		
Total:		83990			23446			28179		

Exhibit P-5a, Budget Procurement History and Planning	Date: February 2010
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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
1. M240 Series Weapons										
Hardware (Infantry Version - M240B)										
FY 2009	Colt Defense West Hartford, CT	C/FFP	Colt Defense, West Hartford, CT	Sep 09	Jan 11	4308	5.8			
Hardware (Light Weight Version - M240L)										
FY 2009	FN Mfg Inc. Columbia, SC	SS/FFP	JM&L, LCMC, Picatinny, NJ	Jun 09	Jul 11	1530	13.4			
FY 2009	TBS TBS	C/FFP	JM&L, LCMC, Picatinny, NJ	Sep 10	Nov 11	2578	13.7			
FY 2010	TBS TBS	C/FFP	JM&L, LCMC, Picatinny, NJ	Sep 10	Nov 11	1400	13.7	Yes		
FY 2011	TBS TBS	Option	JM&L, LCMC, Picatinny, NJ	Jul 11	Dec 12	1655	14.9	Yes		

REMARKS:

COST ELEMENTS						Fiscal Year 09										Fiscal Year 10										Later
MFR	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	

Hardware (Infantry Version - M240B)																														
1	FY 08 &P	A	20165	3767	16398	550	875	775	675	675	675	675	665	588	685	604	551	555	675	663	700	763	763	775	775	775	775	775	411	0
1	FY 08	AF	3	0	3			3																						0
1	FY 08	FMS	2638	935	1703	125		97	100	100	100	100	110	151				45											116	659
1	FY 08	MC	2884	838	2046				100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	10	36
1	FY 08	NA	1644	1381	263														100	100	63								0	
2	FY 09	A	582	582																									0	
2	FY 09	NG	2388	2388																									0	
2	FY 09	AR	1338	1338																									0	
2	FY 09	TOT	4308	0	4308												A												4308	

Hardware (Light Weight Version - M240L)																														
3	FY 08	A	2970	0	2970									A															100	2870
3	FY 09	A	1530	0	1530									A																1530
4	FY 09	A	2578	0	2578																								A	2578
4	FY 10	A	398	398																										0
4	FY 10	NG	304	304																										0
4	FY 10	AR	698	698																										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	1			2	Prior 1 Oct			
		1	FN Mfg Inc., Columbia, SC	1200	7000	10500	6	1	Initial	6	12	
							Reorder	3	2	17	19	
2	Colt Defense, West Hartford, CT	1200	3000	7200	6	2	Initial	6	11	17	28	
							Reorder	3	2	17	19	
3	FN Mfg Inc., Columbia, SC	1200	3000	4200	6	3	Initial	6	8	26	34	
							Reorder	3	3	6	9	
4	TBS, TBS	1200	3000	4200	6	4	Initial	6	11	15	26	
							Reorder	6	9	6	15	
							Initial					
							Reorder					

FY 09 / 10 BUDGET PRODUCTION SCHEDULE						P-1 ITEM NOMENCLATURE M240 Medium Machine Gun (7.62mm) (G13000)												Date: February 2010												
COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
MFR	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 (Light Weight Version - M240L)																														
4	FY 10	TOT	1400	0	1400																						A	1400		
4	FY 11	A	452	452																								0		
4	FY 11	NG	588	588																								0		
4	FY 11	AR	615	615																								0		
4	FY 11	TOT	1655	0	1655																							1655		
Total						34854	675	875	875	875	875	875	875	839	785	704	651	700	875	863	863	863	863	875	875	875	875	637	15036	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	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	FN Mfg Inc., Columbia, SC	1200	7000	10500	6	1	Initial	6	12	17	29																			
							Reorder	3	2	17	19																			
2	Colt Defense, West Hartford, CT	1200	3000	7200	6	2	Initial	6	11	17	28																			
							Reorder	3	2	17	19																			
3	FN Mfg Inc., Columbia, SC	1200	3000	4200	6	3	Initial	6	8	26	34																			
							Reorder	3	3	6	9																			
4	TBS, TBS	1200	3000	4200	6	4	Initial	6	11	15	26																			
							Reorder	6	9	6	15																			
							Initial																							
							Reorder																							

FY 11 / 12 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE M240 Medium Machine Gun (7.62mm) (G13000)										Date: February 2010									
COST ELEMENTS						Fiscal Year 11										Fiscal Year 12													
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11										Calendar Year 12										Later			
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG
Hardware (Infantry Version - M240B)																													
1	FY 08 &P	A	20165	20165																							0		
1	FY 08	AF	3	3																							0		
1	FY 08	FMS	2638	1979	659	239	420																				0		
1	FY 08	MC	2884	2848	36	36																					0		
1	FY 08	NA	1644	1644																							0		
2	FY 09	A	582	582																							0		
2	FY 09	NG	2388	2388																							0		
2	FY 09	AR	1338	1338																							0		
2	FY 09	TOT	4308	0	4308				100	100	200	300	400	500	500	500	500	500	208								0		
Hardware (Light Weight Version - M240L)																													
3	FY 08	A	2970	100	2870	150	200	250	300	350	350	350	350	350	220												0		
3	FY 09	A	1530	0	1530										130	350	350	350	350								0		
4	FY 09	A	2578	0	2578												100	225	225	225	225	225	225	225	225	225	228		
4	FY 10	A	398	398																							0		
4	FY 10	NG	304	304																							0		
4	FY 10	AR	698	698																							0		
						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	FN Mfg Inc., Columbia, SC	1200	7000	10500	6	1	Initial	6	12	17	29	
							Reorder	3	2	17	19	
2	Colt Defense, West Hartford, CT	1200	3000	7200	6	2	Initial	6	11	17	28	
							Reorder	3	2	17	19	
3	FN Mfg Inc., Columbia, SC	1200	3000	4200	6	3	Initial	6	8	26	34	
							Reorder	3	3	6	9	
4	TBS, TBS	1200	3000	4200	6	4	Initial	6	11	15	26	
							Reorder	6	9	6	15	
							Initial					
							Reorder					

COST ELEMENTS						Fiscal Year 13												Fiscal Year 14												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 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	

Hardware (Infantry Version - M240B)																																	
1	FY 08 &P	A	20165	20165																													0
1	FY 08	AF	3	3																													0
1	FY 08	FMS	2638	2638																													0
1	FY 08	MC	2884	2884																													0
1	FY 08	NA	1644	1644																													0
2	FY 09	A	582	582																													0
2	FY 09	NG	2388	2388																													0
2	FY 09	AR	1338	1338																													0
2	FY 09	TOT	4308	4308																													0

Hardware (Light Weight Version - M240L)																																	
3	FY 08	A	2970	2970																													0
3	FY 09	A	1530	1530																													0
4	FY 09	A	2578	2350	228	228																											0
4	FY 10	A	398	398																													0
4	FY 10	NG	304	304																													0
4	FY 10	AR	698	698																													0
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	1			Initial	After 1 Oct			
1	FN Mfg Inc., Columbia, SC	1200	7000	10500	6	1	Initial	6	12	17	29	
							Reorder	3	2	17	19	
2	Colt Defense, West Hartford, CT	1200	3000	7200	6	2	Initial	6	11	17	28	
							Reorder	3	2	17	19	
3	FN Mfg Inc., Columbia, SC	1200	3000	4200	6	3	Initial	6	8	26	34	
							Reorder	3	3	6	9	
4	TBS, TBS	1200	3000	4200	6	4	Initial	6	11	15	26	
							Reorder	6	9	6	15	
							Initial					
							Reorder					

FY 13 / 14 BUDGET PRODUCTION SCHEDULE

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

Date:
February 2010

COST ELEMENTS						Fiscal Year 13										Fiscal Year 14										Later			
MFR	FY	S E R V	PROC QTY Each	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
Hardware (Light Weight Version - M240L)																													
4	FY 10	TOT	1400	1280	120	120																						0	
4	FY 11	A	452	452																								0	
4	FY 11	NG	588	588																								0	
4	FY 11	AR	615	615																								0	
4	FY 11	TOT	1655	0	1655			172	350	350	350	350	83															0	
Total					2003	348		172	350	350	350	350	83																
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	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	FN Mfg Inc., Columbia, SC	1200	7000	10500	6	1	Initial	6	12	17	29	
							Reorder	3	2	17	19	
2	Colt Defense, West Hartford, CT	1200	3000	7200	6	2	Initial	6	11	17	28	
							Reorder	3	2	17	19	
3	FN Mfg Inc., Columbia, SC	1200	3000	4200	6	3	Initial	6	8	26	34	
							Reorder	3	3	6	9	
4	TBS, TBS	1200	3000	4200	6	4	Initial	6	11	15	26	
							Reorder	6	9	6	15	
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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:						
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	9782	7568	6330	5900	4700					34280
Gross Cost	119.5	99.6	84.3	79.5	65.3					448.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	119.5	99.6	84.3	79.5	65.3					448.2
Initial Spares										
Total Proc Cost	119.5	99.6	84.3	79.5	65.3					448.2
Flyaway U/C										
Weapon System Proc U/C	0.0									0.0

P-40 Breakdown									
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	
Active	Qty	6225	5814	3503	2785	0	0	0	
	Gross Cost	81914.0	77445.0	47209.0	38672.0	0.0	0.0	0.0	
National Guard	Qty	1145	169	1793	1471	0	0	0	
	Gross Cost	15063.0	2256.0	24164.0	20428.0	0.0	0.0	0.0	
Reserve	Qty	198	347	604	444	0	0	0	
	Gross Cost	2609.0	4626.0	8123.0	6173.0	0.0	0.0	0.0	
Total	Qty	7568	6330	5900	4700	0	0	0	
	Gross Cost	99586	84327	79496	65273	0	0	0	

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:
FY 11 Base procurement dollars in the amount of \$79.496 million supports the Active Army, National Guard and Reserve by purchasing 5,900 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.

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	9782	7568	6330	5900	4700					34280
Gross Cost	119.5	99.6	84.3	79.5	65.3					448.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	119.5	99.6	84.3	79.5	65.3					448.2
Initial Spares										
Total Proc Cost	119.5	99.6	84.3	79.5	65.3					448.2
Flyaway U/C										
Weapon System Proc U/C	0.0									0.0

P-40 Breakdown									
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	
Active	Qty	6225	5814	3503	2785	0	0	0	
	Gross Cost	81914.0	77445.0	47209.0	38672.0	0.0	0.0	0.0	
National Guard	Qty	1145	169	1793	1471	0	0	0	
	Gross Cost	15063.0	2256.0	24164.0	20428.0	0.0	0.0	0.0	
Reserve	Qty	198	347	604	444	0	0	0	
	Gross Cost	2609.0	4626.0	8123.0	6173.0	0.0	0.0	0.0	
Total	Qty	7568	6330	5900	4700	0	0	0	
	Gross Cost	99586	84327	79496	65273	0	0	0	

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 productions 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:
FY 11 Base procurement dollars in the amount of \$79.496 million supports the Active Army, National Guard and Reserve, by purchasing 5,900 M2 Machine Guns to alleviate a critical shortage of serviceable M2 Machine Guns for our Soldiers who are participating in Operation Iraqi Freedom and Operation Enduring Freedom. Inventories of the weapon in the depots have been severely depleted. This request is based on deficiencies identified from on-going combat operations in Afghanistan and Iraq.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: MACHINE GUN, CAL .50 M-2 FLEX (G10900)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. Hardware										
M2 Systems	A	82526	7568	10.9	69781	6330	11.0	66121	5900	11.2
MK93 Mounts		14298	7568	1.9	12660	6330	2.0	11800	5900	2.0
M205 Lightweight Tripod								612	180	3.4
2. Production Engineering		1578			710			438		
3. Integrated Logistics Support		100			50			100		
4. Fielding		400			300			150		
5. First Destination Transportation		300			326			100		
6. Engineering Studies		384			500			175		
Total:		99586			84327			79496		

Exhibit P-5a, Budget Procurement History and Planning	Date: February 2010
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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)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
M2 Systems										
FY 2009	Gen Dyn-Armament & Tech Prod Burlington, VT	SS/FFP	TACOM, Warren, MI	Apr 09	Oct 10	7568	10.9			
FY 2010	TBS	Option	TACOM, Warren, MI	Mar 10	Oct 11	6330	11.0	YES		
FY 2011	TBS	Option	TACOM, Warren, MI	Mar 11	Dec 12	5900	11.2	YES		

REMARKS: We have two IDIQ producers, General Dynamics and US Ordnance, who will compete for quantity awards (FY 2010 and FY 2011).

COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
MFR	FY	SERV	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	

M2 Systems																														
1	FY 08 &P	A	7023	690	6333	185	180	170	185	150	140	195	155	145	140	150	215	320	300	300	453	648	395	347	367	382	295	250	266	0
1	FY 08 &P	NA	1089	267	822	68	68	68	68	68	68	68	68	68	70	70	70													0
1	FY 08 &P	AF	43	0	43												43													0
2	FY 08 &P	A	440	0	440										A													15	425	
1	FY 09	A	0	0																										0
1	FY 09	A	6225	6225																										0
1	FY 09	NG	1145	1145																										0
1	FY 09	AR	198	198																										0
1	FY 09	TOT	7568	0	7568							A																		7568
1	FY 09	AR	21	0	21							A																		0
1	FY 09	NA	257	0	257							A																		0
1	FY 09	AF	5	0	5							A																		0
						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			1	Initial				After 1 Oct
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	8400	9	1	3	6	12	18		
							3	6	12	18		
2	US Ordnance, Reno, NV	300	4800	7800		2	3	17	16	33		
3	TBS, TBS	300	4800	8400			3	3	25	28		
						3	3	5	22	27		
							3	5	22	27		

FY 09 / 10 BUDGET PRODUCTION SCHEDULE						P-1 ITEM NOMENCLATURE MACHINE GUN, CAL .50 M-2 FLEX (G10900)														Date: February 2010																												
COST ELEMENTS						Fiscal Year 09														Fiscal Year 10																												
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				Later																								
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	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 09	FMS	38	0	38																																	38						0				
1	FY 09	NA	284	0	284																																								284			
3	FY 10	A	0	0																																										0		
3	FY 10	A	5814	5814																																										0		
3	FY 10	NG	169	169																																										0		
3	FY 10	AR	347	347																																											0	
3	FY 10	TOT	6330	0	6330																																					A						6330
3	FY 10	FMS	1500	0	1500																																					A						1500
3	FY 10	NA	232	0	232																																					A						232
3	FY 10	AF	10	0	10																																					A						10
3	FY 11	A	0	0																																											0	
3	FY 11	A	3503	3503																																											0	
3	FY 11	NG	1793	1793																																											0	
3	FY 11	AR	604	604																																											0	
3	FY 11	TOT	5900	0	5900																																											5900
3	FY 11	MC	110	0	110																																											110
3	FY 11	AF	10	0	10																																											10
3	FY 11	NA	228	0	228																																											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	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	8400	9	1	Initial	3	6	12	18																																				
								Reorder	3	6	12	18																																				
	2	US Ordnance, Reno, NV	300	4800	7800		2	Initial	3	17	16	33																																				
								Reorder	3	3	25	28																																				
	3	TBS, TBS	300	4800	8400		3	Initial	3	5	22	27																																				
								Reorder	3	5	22	27																																				
								Initial																																								
								Reorder																																								
								Initial																																								
								Reorder																																								

FY 09 / 10 BUDGET PRODUCTION SCHEDULE

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

Date:
February 2010

COST ELEMENTS						Fiscal Year 09														Fiscal Year 10														Later
MFR	FY	SERV	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					
Total					30131	253	248	238	253	218	208	263	223	213	210	220	328	320	300	300	453	648	395	447	467	503	295	250	281	22597				
						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	2	3			Initial	Reorder			
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	8400	9	1	3	6	12	18	
2	US Ordnance, Reno, NV	300	4800	7800		2	3	17	16	33	
3	TBS, TBS	300	4800	8400		3	3	3	25	28	
						3	3	5	22	27	
							3	5	22	27	

COST ELEMENTS						Fiscal Year 11										Fiscal Year 12										Later
MFR	FY	SERV	PROC QTY Units	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	

M2 Systems																													
1	FY 08 &P	A	7023	7023																							0		
1	FY 08 &P	NA	1089	1089																							0		
1	FY 08 &P	AF	43	43																							0		
2	FY 08 &P	A	440	15	425	15	40	40	40	40	65	65	65	55													0		
1	FY 09	A	0	0																							0		
1	FY 09	A	6225	6225																							0		
1	FY 09	NG	1145	1145																							0		
1	FY 09	AR	198	198																							0		
1	FY 09	TOT	7568	0	7568	670	640	625	625	641	650	650	650	600	600	600	617										0		
1	FY 09	AR	21	21																							0		
1	FY 09	NA	257	257																							0		
1	FY 09	AF	5	5																							0		
						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			1	2				Prior 1 Oct	After 1 Oct
												Initial	Reorder
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	8400	9	1	3	6	12	18			
2	US Ordnance, Reno, NV	300	4800	7800		2	3	17	16	33			
3	TBS, TBS	300	4800	8400		3	3	3	25	28			
						3	3	5	22	27			
						3	3	5	22	27			
							Initial						
							Reorder						
							Initial						
							Reorder						

COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
MFR	FY	SERV	PROC QTY Units	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	

M2 Systems																																	
1	FY 09	FMS	38	38																													0
1	FY 09	NA	284	0	284	15	60	75	75	59																							0
3	FY 10	A	0	0																													0
3	FY 10	A	5814	5814																													0
3	FY 10	NG	169	169																													0
3	FY 10	AR	347	347																													0
3	FY 10	TOT	6330	0	6330												400	410	410	435	500	575	600	600	600	600	600	600	600	600	600	0	
3	FY 10	FMS	1500	0	1500																												1500
3	FY 10	NA	232	0	232												41	50	40	40	36	25										0	
3	FY 10	AF	10	0	10												10																0
3	FY 11	A	0	0																													0
3	FY 11	A	3503	3503																													0
3	FY 11	NG	1793	1793																													0
3	FY 11	AR	604	604																													0
3	FY 11	TOT	5900	0	5900																												5900
3	FY 11	MC	110	0	110																												110
3	FY 11	AF	10	0	10																												10
3	FY 11	NA	228	0	228																												228
						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			1	Initial				Prior 1 Oct	After 1 Oct
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	8400	9	1	3	6	12	18			
							3	6	12	18			
2	US Ordnance, Reno, NV	300	4800	7800		2	3	17	16	33			
3	TBS, TBS	300	4800	8400			3	3	25	28			
						3	3	5	22	27			
							3	5	22	27			

FY 11 / 12 BUDGET PRODUCTION SCHEDULE

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

Date:
February 2010

COST ELEMENTS						Fiscal Year 11														Fiscal Year 12														Later
MFR	FY	SERV	PROC QTY Units	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					
Total					22597	700	740	740	740	740	715	715	715	655	600	600	617	451	460	450	475	536	600	600	600	600	600	600	600	600	600	7748		
						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	2	3			Initial	Reorder			
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	8400	9	1	3	6	12	18	
2	US Ordnance, Reno, NV	300	4800	7800		2	3	17	16	33	
3	TBS, TBS	300	4800	8400		3	3	3	25	28	
						3	3	5	22	27	
							3	5	22	27	

COST ELEMENTS						Fiscal Year 13												Fiscal Year 14												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 13												Calendar Year 14												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

M2 Systems																												
1	FY 08 &P	A	7023	7023																								0
1	FY 08 &P	NA	1089	1089																								0
1	FY 08 &P	AF	43	43																								0
2	FY 08 &P	A	440	440																								0
1	FY 09	A	0	0																								0
1	FY 09	A	6225	6225																								0
1	FY 09	NG	1145	1145																								0
1	FY 09	AR	198	198																								0
1	FY 09	TOT	7568	7568																								0
1	FY 09	AR	21	21																								0
1	FY 09	NA	257	257																								0
1	FY 09	AF	5	5																								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			1	Initial				Prior 1 Oct	After 1 Oct
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	8400	9	1	Initial	3	6	12	18		
							Reorder	3	6	12	18		
2	US Ordnance, Reno, NV	300	4800	7800		2	Initial	3	17	16	33		
							Reorder	3	3	25	28		
3	TBS, TBS	300	4800	8400		3	Initial	3	5	22	27		
							Reorder	3	5	22	27		
							Initial						
							Reorder						
							Initial						
							Reorder						

COST ELEMENTS						Fiscal Year 13										Fiscal Year 14										Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 13										Calendar Year 14										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	

M2 Systems																														
1	FY 09	FMS	38	38																								0		
1	FY 09	NA	284	284																								0		
3	FY 10	A	0	0																								0		
3	FY 10	A	5814	5814																								0		
3	FY 10	NG	169	169																								0		
3	FY 10	AR	347	347																								0		
3	FY 10	TOT	6330	6330																								0		
3	FY 10	FMS	1500	0	1500	600	600	300																				0		
3	FY 10	NA	232	232																								0		
3	FY 10	AF	10	10																								0		
3	FY 11	A	0	0																								0		
3	FY 11	A	3503	3503																								0		
3	FY 11	NG	1793	1793																								0		
3	FY 11	AR	604	604																								0		
3	FY 11	TOT	5900	0	5900			400	500	500	500	500	500	500	500	500	500										0			
3	FY 11	MC	110	0	110																					110		0		
3	FY 11	AF	10	0	10																					10		0		
3	FY 11	NA	228	0	228																					228		0		
						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			1	Initial				3	6
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	8400	9	1	Initial	3	6	12	18		
							Reorder	3	6	12	18		
2	US Ordnance, Reno, NV	300	4800	7800		2	Initial	3	17	16	33		
							Reorder	3	3	25	28		
3	TBS, TBS	300	4800	8400		3	Initial	3	5	22	27		
							Reorder	3	5	22	27		
							Initial						
							Reorder						
							Initial						
							Reorder						

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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)

Program Elements for Code B Items: 0604601A-033
 Code: B
 Other Related Program Elements:

	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty				350	700	510	980	980		3520
Gross Cost			1.0	18.9	28.9	19.0	33.3	31.7		132.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1			1.0	18.9	28.9	19.0	33.3	31.7		132.8
Initial Spares										
Total Proc Cost			1.0	18.9	28.9	19.0	33.3	31.7		132.8
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown

Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Active	Qty	0	0	260	518	374	718	716
	Gross Cost	0.0	974.0	14066.0	21372.0	13986.0	24425.0	23142.0
National Guard	Qty	0	0	90	182	136	262	264
	Gross Cost	0.0	0.0	4875.0	7500.0	5050.0	8900.0	8525.0
Reserve	Qty	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	350	700	510	980	980
	Gross Cost	0	974	18941	28872	19036	33325	31667

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 augmenting 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:
 FY11 Base procurement dollars in the amount of \$18.941 million supports the Active Army and National Guard and will procure 350 Lightweight .50 Caliber Machine Gun systems. 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.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	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. Lightweight .50 Cal Machine Gun								17355	350	49.6
3. Engineering Support					474			946		
4. Integrated Logistics Support								200		
5. New Equipment Training								100		
6. Total Package Fielding								190		
7. First Destination Transportation								150		
Total:					974			18941		

Exhibit P-5a, Budget Procurement History and Planning	Date: February 2010
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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)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. Materials Barrels/ Receiver Housing FY 2010	Gen Dyn and Tech Prod (GDATP) Burlington, VT	SS/FFP	JM&L,LCMC,Picatiny, NJ	Aug 10	Feb 11	400	1.0	NO	Mar 10	Mar 10
2. Lightweight .50 Cal Machine Gun FY 2011	Gen Dyn and Tech Prod (GDATP) Burlington, VT	SS/FFP	JM&L,LCMC,Picatiny, NJ	Mar 11	Dec 11	350	49.6	NO	Jun 10	Jun 10

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

FY 09 / 10 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)

Date:
February 2010

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																						
2. Lightweight .50 Cal Machine Gun																																																			
1	FY 11	A	260	260																								0																							
1	FY 11	NG	90	90																								0																							
1	FY 11	TOT	350	0	350																							350																							
Total					350																							350																							
<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	Gen Dyn and Tech Prod (GDATP), Burlington, VT	300	2400	4800	9	1	Initial	8	5	10	15	
							Reorder	8	5	10	15	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 11 / 12 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)

Date:
February 2010

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	
2. Lightweight .50 Cal Machine Gun																														
1	FY 11	A	260	260																								0		
1	FY 11	NG	90	90																								0		
1	FY 11	TOT	350	0	350					A										15	15	15	30	30	35	35	35	35	70	
Total					350															15	15	15	30	30	35	35	35	35	70	
						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	Gen Dyn and Tech Prod (GDATP), Burlington, VT	300	2400	4800	9	1	Initial	8	5	10	15	
							Reorder	8	5	10	15	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 13 / 14 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)

Date:
February 2010

COST ELEMENTS						Fiscal Year 13												Fiscal Year 14												Later																					
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 13												Calendar Year 14																																	
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP																						
2. Lightweight .50 Cal Machine Gun																																																			
1	FY 11	A	260	260																								0																							
1	FY 11	NG	90	90																								0																							
1	FY 11	TOT	350	280	70	35	35																					0																							
Total					70	35	35																																												
<table border="0" style="width:100%; text-align:center;"> <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	Gen Dyn and Tech Prod (GDATP), Burlington, VT	300	2400	4800	9	1	Initial	8	5	10	15	
							Reorder	8	5	10	15	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	112397	5150	1550							119097
Gross Cost	351.0	22.1	7.5							380.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	351.0	22.1	7.5							380.6
Initial Spares										
Total Proc Cost	351.0	22.1	7.5							380.6
Flyaway U/C										
Weapon System Proc U/C	0.0									0.0

P-40 Breakdown

Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Active	Qty	2156	506	0	0	0	0	0
	Gross Cost	9240.0	2453.0	0.0	0.0	0.0	0.0	0.0
National Guard	Qty	1814	476	0	0	0	0	0
	Gross Cost	7770.0	2306.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	1180	568	0	0	0	0	0
	Gross Cost	5059.0	2753.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	5150	1550	0	0	0	0	0
	Gross Cost	22069	7512	0	0	0	0	0

Description:

The M249 Squad Automatic Weapon (M249 SAW) is a lightweight (22 pounds with 200 rounds of ammunition) 5.56MM, one-man operated weapon capable of delivering a sustained volume of automatic, accurate, and lethal fire at ranges of up to 800 meters. The M249 SAW replaces two automatic 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.

Justification:

FY11: No funds requested.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: M249 SAW Machine Gun (5.56mm) (G12900)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID CD	FY 09			FY 10			FY 11		
		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	18752	5150	3.8	5657	1550	3.9			
2. Engineering Support		2667			1415					
3. Integrated Logistics Support (ILS)		250			200					
4. Total Package Fielding (TPF)		250			200					
5. First Destination Transportation (FDT)		150			40					
Total:		22069			7512					

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2010

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: M249 SAW Machine Gun (5.56mm) (G12900)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. M249 SAW Weapon										
FY 2009	FN Mfg Inc Columbia SC	IDIQ/FFP	JML LCMC,Picatinny,NJ	Jul 09	Dec 09	5150	3.8			
FY 2010	FN Mfg Inc Columbia SC	IDIQ/FFP	JML LCMC,Picatinny,NJ	Mar 10	Dec 10	1550	3.9	Yes		

REMARKS:

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

1. M249 SAW Weapon																																
1	FY 08 P	A	25110	12441	12669	810	809	790	600	660	1000	1000	1000	1000	1000	1000	1000	1000														0
1	FY 08	FMS	1130	0	1130			270	460	400																					0	
1	FY 09	A	2156	2156																											0	
1	FY 09	NG	1814	1814																											0	
1	FY 09	AR	1180	1180																											0	
1	FY 09	TOT	5150	0	5150									A					140	150	150	193	250	250	250	527	560	560	2120			
1	FY 09	FMS	7343	0	7343									A					860	850	850	820	810	810	810	533	500	500	0			
1	FY 10	A	506	506																											0	
1	FY 10	NG	476	476																											0	
1	FY 10	AR	568	568																											0	
1	FY 10	TOT	1550	0	1550																						A			1550		
Total						27842	810	809	1060	1060	1060	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1013	1060	1060	1060	1060	1060	1060	3670			
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				Prior 1 Oct	After 1 Oct
1	FN Mfg Inc, Columbia SC	1500	4000	12720	18	1	Initial	3	9	6	15		
							Reorder	3	5	10	15		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

FY 11 / 12 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE M249 SAW Machine Gun (5.56mm) (G12900)										Date: February 2010								
COST ELEMENTS						Fiscal Year 11										Fiscal Year 12												
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11										Calendar Year 12										Later		
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL
1. M249 SAW Weapon																												
1	FY 08 P	A	25110	25110																							0	
1	FY 08	FMS	1130	1130																							0	
1	FY 09	A	2156	2156																							0	
1	FY 09	NG	1814	1814																							0	
1	FY 09	AR	1180	1180																							0	
1	FY 09	TOT	5150	3030	2120	1060	1060																				0	
1	FY 09	FMS	7343	7343																							0	
1	FY 10	A	506	506																							0	
1	FY 10	NG	476	476																							0	
1	FY 10	AR	568	568																							0	
1	FY 10	TOT	1550	0	1550			507	543	500																	0	
Total					3670	1060	1060	507	543	500																		
					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	FN Mfg Inc, Columbia SC	1500	4000	12720	18	1	Initial	3	9	6	15	
							Reorder	3	5	10	15	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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)
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Program Elements for Code B Items:		Code: A		Other Related Program Elements:						
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	30307	976	349	238						31870
Gross Cost	519.6	17.3	7.7	4.5						549.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	519.6	17.3	7.7	4.5						549.1
Initial Spares										
Total Proc Cost	519.6	17.3	7.7	4.5						549.1
Flyaway U/C										
Weapon System Proc U/C	0.0									0.0

P-40 Breakdown									
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	
Active	Qty	357	63	75	0	0	0	0	0
	Gross Cost	6320.0	1393.0	1412.0	0.0	0.0	0.0	0.0	0.0
National Guard	Qty	465	161	55	0	0	0	0	0
	Gross Cost	8236.0	3533.0	1031.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	154	125	108	0	0	0	0	0
	Gross Cost	2721.0	2750.0	2022.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	976	349	238	0	0	0	0	0
	Gross Cost	17277	7676	4465	0	0	0	0	0

Description:
The MK-19, Mod 3 is a self-powered, air-cooled, 40mm automatic Grenade Machine Gun capable of a cyclic rate of 325-375 rounds per minute. It will engage point targets up to 1,500 meters and provide suppressive fire up to 2,200 meters. The MK-19 is fielded with the MK93 mount. The weapon will be mounted on select Stryker vehicles, High Mobility Multi-Purpose Wheeled Vehicles (HMMWVs), the M113 Armored Personnel Carrier family of vehicles, M88A1 Recovery Vehicle and Mine Resistant Ambush Protected (MRAP) vehicles. 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.

Justification:
FY11 Base procurement dollars in the amount of \$4.465 million supports the Active Army, National Guard and Army Reserve by purchasing 238 MK-19 Grenade Machine Guns. Also provides other ancillary equipment such as the M3 Tripod and improved sighting systems.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: MK-19 Grenade Machine Gun (40mm) (G13400)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID CD	FY 09			FY 10			FY 11		
		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	14145	976	14.5	4876	349	14.0	3332	238	14.0
2. GFM-Mounts		2063			1352			640		
3. Engineering Support		694			684			218		
4. Integrated Logistics Support (ILS)		75			180			75		
5. Fielding		300			50			75		
6. First Destination Transportation					143			75		
7. Arms Rack					391			50		
Total:		17277			7676			4465		

Exhibit P-5a, Budget Procurement History and Planning	Date: February 2010
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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)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. MK-19 Hardware										
FY 2009	Gen Dyn Arm Tech Prod Saco, Maine	C/IDIQ	JML LCMC,Picatinny,NJ	Mar 09	Apr 11	976	14.5			
FY 2010	TBS TBS	C/IDIQ	JML LCMC,Picatinny,NJ	Mar 10	Apr 12	349	14.0	YES		
FY 2011	TBS TBS	C/IDIQ	JML LCMC,Picatinny,NJ	Mar 11	Jul 12	238	14.0	YES		

REMARKS: FY10-FY11 quantities to be awarded via a new competitive procurement.

FY 09 / 10 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
MK-19 Grenade Machine Gun (40mm) (G13400)

Date:
February 2010

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	
1. MK-19 Hardware																														
1	FY 08 P	A	7346	1343	6003		10	25	75	86	142	49	80	83	20	75	90	212	290	298	290	268	264	226	175	175	118	100	125	2727
2	FY 08 P	A	1483	0	1483																		25	36	50	75	100	125	1072	
2	FY 08 P	FMS	1861	76	1785		50	107																					1628	
2	FY 08 P	MC	1550	1011	539	100	50	51	50	50	50	88	50	50															0	
4	FY 09	A	357	357																									0	
4	FY 09	NG	465	465																									0	
4	FY 09	AR	154	154																									0	
1	FY 09	TOT	976	0	976						A																		976	
4	FY 10	A	63	63																									0	
4	FY 10	NG	161	161																									0	
4	FY 10	AR	125	125																									0	
3	FY 10	TOT	349	0	349																		A						349	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	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 Arm Tech Prod, Saco, Maine	600	2400	3600	18	1	Initial	4	5	
							Reorder	4	5	26	31	
2	Alliant Tech Systems, Mesa, AZ	600	2880	3960	18	2	Initial	4	5	26	31	
							Reorder	4	5	26	31	
3	TBS, TBS	600	2880	3960	18	3	Initial	4	5	26	31	
							Reorder	4	5	17	22	
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE MK-19 Grenade Machine Gun (40mm) (G13400)										Date: February 2010										
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
1. MK-19 Hardware																														
4	FY 11	A	75	75																								0		
4	FY 11	NG	55	55																								0		
4	FY 11	AR	108	108																								0		
3	FY 11	TOT	238	0	238																							238		
Total					11373	100	110	183	125	136	192	137	130	133	20	75	90	212	290	298	290	268	264	251	211	225	193	200	250	6990
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	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 Arm Tech Prod, Saco, Maine	600	2400	3600	18	1	Initial	4	5	26	31																			
							Reorder	4	5	26	31																			
2	Alliant Tech Systems, Mesa, AZ	600	2880	3960	18	2	Initial	4	5	26	31																			
							Reorder	4	5	26	31																			
3	TBS, TBS	600	2880	3960	18	3	Initial	4	5	26	31																			
							Reorder	4	5	17	22																			
							Initial																							
							Reorder																							
							Initial																							
							Reorder																							

COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
MFR	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	

1. MK-19 Hardware																																
1	FY 08 P	A	7346	4619	2727	150	150	175	200	208	219	200	200	200	225	200	200	200	200													0
2	FY 08 P	A	1483	411	1072	150	125	125	44	50	50	69	70	55	48	50	20	42	20	48	50	50	6									0
2	FY 08 P	FMS	1861	233	1628		25	25	106	100	100	81	80	95	102	100	130	108	130	102	100	100	144									0
2	FY 08 P	MC	1550	1550																											0	
4	FY 09	A	357	357																											0	
4	FY 09	NG	465	465																											0	
4	FY 09	AR	154	154																											0	
1	FY 09	TOT	976	0	976							25	25	25	50	100	75	50	100	225	301										0	
4	FY 10	A	63	63																											0	
4	FY 10	NG	161	161																											0	
4	FY 10	AR	125	125																											0	
3	FY 10	TOT	349	0	349																										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			1	Initial				After 1 Oct
1	Gen Dyn Arm Tech Prod, Saco, Maine	600	2400	3600	18	1	4	5	26	31		
							4	5	26	31		
2	Alliant Tech Systems, Mesa, AZ	600	2880	3960	18	2	4	5	26	31		
							4	5	26	31		
3	TBS, TBS	600	2880	3960	18	3	4	5	26	31		
							4	5	17	22		

FY 11 / 12 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE MK-19 Grenade Machine Gun (40mm) (G13400)										Date: February 2010									
COST ELEMENTS					Fiscal Year 11										Fiscal Year 12										Later				
MFR	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
1. MK-19 Hardware																													
4	FY 11	A	75	75																								0	
4	FY 11	NG	55	55																								0	
4	FY 11	AR	108	108																								0	
3	FY 11	TOT	238	0	238					A																154	84	0	
Total					6990	300	300	325	350	358	369	375	375	375	425	450	425	400	450	375	451	150	150	100	100	100	203	84	
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	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 Arm Tech Prod, Saco, Maine	600	2400	3600	18	1	Initial	4	5	26	31	
							Reorder	4	5	26	31	
2	Alliant Tech Systems, Mesa, AZ	600	2880	3960	18	2	Initial	4	5	26	31	
							Reorder	4	5	26	31	
3	TBS, TBS	600	2880	3960	18	3	Initial	4	5	26	31	
							Reorder	4	5	17	22	
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	1734	351	315	274	70	50				2794
Gross Cost	363.4	17.0	14.7	25.7	12.5	9.9				443.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	363.4	17.0	14.7	25.7	12.5	9.9				443.3
Initial Spares										
Total Proc Cost	363.4	17.0	14.7	25.7	12.5	9.9				443.3
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown

Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Active	Qty	93	155	237	43	25	0	0
	Gross Cost	5784.0	10043.0	20992.0	7711.0	4924.0	0.0	0.0
National Guard	Qty	258	160	37	27	25	0	0
	Gross Cost	11191.0	4690.0	4690.0	4799.0	5000.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	351	315	274	70	50	0	0
	Gross Cost	16975	14733	25682	12510	9924	0	0

Description:

Mortar Systems includes the production of M224, 60mm; M252, 81mm; and M120/M121, 120mm Mortar Weapon Systems and includes production of associated equipment to include procurement of the M326 Quick Stow and M1101 trailer that are used with the M120 120mm towed mortar system. The Quick Stow system will enable rapid emplacement and displacement of the M120 from the M1101 Trailer.

Justification:

The FY2011 Base funding in the amount of \$17.185 million supports the procurement of 138 M224 60mm Light Weight Mortar Weapon Systems to Active Force Infantry Brigade Combat Teams. The FY2011 OCO funding in the amount of \$8.600 million supports the procurement of 56 M224 60mm mortars, 32 M252 81mm mortars, 48 M120/121 120mm mortars, and associated equipment, that will equip an additional 4 IBCT's for OEF.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: Mortar Systems (G02200)			Weapon System Type:			Date: February 2010			
WTCV Cost Elements		ID	FY 09			FY 10			FY 11		
		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
HARDWARE											
60mm Cannon Tubes			4030	310	13	4095	315	13	2910	194	15
60mm Baseplates			2480	310	8	2520	315	8	970	194	5
60mm M8A1 Baseplate									2555	511	5
60mm Bipods			1550	310	5	2520	315	8	970	194	5
60mm Basic Issue / Direct Support Tools			1550	310	5				970	194	5
60mm Direct Lay Sight						1575	315	5	2980	596	5
81mm Cannon Tubes									608	32	19
81mm Baseplates									160	32	5
81mm Bipods									288	32	9
81mm Basic Issue / Direct Support Tools									448	32	14
120mm Cannon Tubes (M120)			738	41	18				864	48	18
120mm Baseplates			492	41	12				576	48	12
120mm Bipods			450	50	9						
120mm M207 Improved Bipod									5174	398	13
120mm Basic Issue/ Direct Support Tools			451	41	11				528	48	11
M326 Quick Stow			780	26	30						
M67 Sight Units			240	60	4				1370	274	5
M1101 Trailers			234	26	9						
Subtotal Hardware			12995			10710			21371		
PRODUCTION SUPPORT											
Production Engineering			1602			1837			2089		
Proof and Acceptance			247			350			400		
Government ILS			218			222			357		
Staging			350			354			545		
Operations and New Equipment Training			1227			750			660		
Subtotal Production Support			3644			3513			4051		
NON-RECURRING COSTS											
First Article Test (BII and Baseplates)			336			510			260		
Subtotal Non-recurring Costs			336			510			260		
Total:			16975			14733			25682		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2010

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
60mm Cannon Tubes										
FY 2009	Dynamic Flow Form Billerica, MA	SS/Option	Quantico, IA	Jun 09	Jun 11	310	13	Y		
FY 2010	To Be Selected To Be Selected	C/FP	To Be Selected	Mar 10	Mar 11	315	13	Y		
FY 2011	To Be Selected To Be Selected	C/FP	To Be Selected	Mar 11	Mar 12	194	15	Y		
60mm Baseplates										
FY 2009	Arlington Machine Tool Fairfield, NJ	C/Option	Picatinny Arsenal, NJ	Sep 09	Sep 10	310	8	Y		
FY 2010	Arlington Machine Tool Fairfield, NJ	C/Option	Picatinny Arsenal, NJ	Mar 10	Mar 11	315	8	Y		
FY 2011	Arlington Machine Tool Fairfield, NJ	C/Option	Picatinny Arsenal, NJ	Mar 11	Mar 12	194	5	Y		
60mm M8A1 Baseplate										
FY 2011	To Be Selected To Be Selected	C/FP	To Be Selected	Mar 11	Mar 12	511	5	N		
60mm Bipods										
FY 2009	MaTech Salisbury, MD	C/Option	Picatinny Arsenal, NJ	Sep 09	Sep 10	310	5	Y		
FY 2010	MaTech Salisbury, MD	C/Option	Picatinny Arsenal, NJ	Mar 10	Mar 11	315	8	Y		
FY 2011	MaTech Salisbury, MD	C/Option	Picatinny Arsenal, NJ	Mar 11	Mar 12	194	5	Y		
60mm Basic Issue / Direct Support Tools										
FY 2009	To Be Selected To Be Selected	C/FP	Picatinny Arsenal, NJ	Apr 10	Mar 11	310	5	Y		
FY 2011	To Be Selected To Be Selected	C/Option	Picatinny Arsenal, NJ	Mar 11	Mar 12	194	5	Y		
60mm Direct Lay Sight										
FY 2010	To Be Selected To Be Selected	C/FP	Picatinny Arsenal, NJ	Mar 10	Mar 11	315	5	Y		
FY 2011	To Be Selected To Be Selected	C/Option	Picatinny Arsenal, NJ	Mar 11	Mar 12	596	5	Y		
81mm Cannon Tubes										
FY 2011	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Mar 11	Mar 12	32	19	Y		
81mm Baseplates										

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2010

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 2011	Arlington Machine Tool Fairfield, NJ	C/Option	Picatinny Arsenal, NJ	Mar 11	Mar 12	32	5	Y		
81mm Bipods										
FY 2011	MaTech Salisbury, MD	C/Option	Picatinny Arsenal, NJ	Mar 11	Mar 12	32	9	Y		
81mm Basic Issue / Direct Support Tools										
FY 2011	To Be Selected To Be Selected	C/Option	Picatinny Arsenal, NJ	Mar 11	Mar 12	32	14	Y		
120mm Cannon Tubes (M120)										
FY 2009	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Apr 09	Apr 10	41	18	Y		
FY 2011	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Mar 11	Mar 12	48	18	Y		
120mm Baseplates										
FY 2009	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Apr 10	Mar 11	41	12	Y		
FY 2011	Watervliet Arsenal Watervliet, NY	MIPR	Rock Island, IL	Mar 11	Mar 12	48	12	Y		
120mm Bipods										
FY 2009	General Manufacturing Bethel Park, PA	C/FP	Rock Island, IL	Apr 09	Apr 10	50	9	Y		
120mm M207 Improved Bipod										
FY 2011	To Be Selected To Be Selected	C/FP	Picatinny Arsenal, NJ	Mar 11	Mar 12	398	13	N		
120mm Basic Issue/ Direct Support Tools										
FY 2009	To Be Selected To Be Selected	C/FP	Picatinny Arsenal, NJ	Mar 10	Mar 11	41	11	Y		
FY 2011	To Be Selected To Be Selected	C/Option	Picatinny Arsenal, NJ	Mar 11	Mar 12	48	11	Y		
M326 Quick Stow										
FY 2009	BAE Systems Minneapolis, MN	SS/Option	Picatinny Arsenal, NJ	Sep 09	Sep 10	26	30	Y		
M67 Sight Units										
FY 2009	ELCAN Midland, Ontario, Canada	SS/Option	Rock Island, IL	Jun 09	Jun 10	60	4	Y		
FY 2011	To Be Selected To Be Selected	C/Option	Picatinny Arsenal, NJ	Mar 11	Mar 12	274	5	Y		
M1101 Trailers										

Exhibit P-5a, Budget Procurement History and Planning	Date: February 2010
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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	Silver Eagle Manufacturing Portland, OR	C/FP	Picatinny Arsenal, NJ	Jun 09	Jun 10	26	9	Y			

REMARKS:

COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later			
MFR	FY	SERV	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				
60mm Cannon Tubes																																	
1	FY 08	TOT	437	0	437													A											50	50	50	50	237
1	FY 09	A	82	82																													0
1	FY 09	NG	228	228																												0	
1	FY 09	TOT	310	0	310													A														310	
3	FY 10	A	155	155																												0	
3	FY 10	NG	160	160																												0	
3	FY 10	TOT	315	0	315																							A				315	
3	FY 11	A	157	157																												0	
3	FY 11	NG	37	37																												0	
3	FY 11	TOT	194	0	194																											194	
81mm Cannon Tubes																																	
2	FY 08	TOT	135	0	135																											0	
2	FY 11	A	32	0	32																											32	
120mm Cannon Tubes (M120)																																	
2	FY 08	TOT	123	0	123																											0	
2	FY 09	A	11	11																												0	
2	FY 09	NG	30	30																												0	
2	FY 09	TOT	41	0	41																									A		0	
						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	Initial	Reorder			6	9				12	21
1	Dynamic Flow Form, Billerica, MA	10	150	200		1	Initial	Reorder	6	9	12	21	
2	Watervliet Arsenal, Watervliet, NY	10	95	165		2	Initial	Reorder	6	6	12	18	
3	To Be Selected, To Be Selected	10	95	200		3	Initial	Reorder	6	6	12	18	
							Initial	Reorder					
							Initial	Reorder					

FY 09 / 10 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
Mortar Systems (G02200)

Date: February 2010

COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later			
MFR	FY	SERV	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				
120mm Cannon Tubes (M120)																																	
2	FY 11	A	48	0	48																							48					
Total					1635												70	90	75	23							20	21	50	50	50	50	1136
						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	2	3			Initial	Reorder	Initial	Reorder	
1	Dynamic Flow Form, Billerica, MA	10	150	200		1	6	9	12	21	
							3	9	24	33	
2	Watervliet Arsenal, Watervliet, NY	10	95	165		2	6	6	12	18	
							3	6	12	18	
3	To Be Selected, To Be Selected	10	95	200		3	6	6	12	18	
							3	6	12	18	

FY 11 / 12 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE Mortar Systems (G02200)										Date: February 2010									
COST ELEMENTS						Fiscal Year 11										Fiscal Year 12													
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11										Calendar Year 12										Later			
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG
60mm Cannon Tubes																													
1	FY 08	TOT	437	200	237	50	50	50	55	32																	0		
1	FY 09	A	82	82																							0		
1	FY 09	NG	228	228																							0		
1	FY 09	TOT	310	0	310								40	40	40	40	40	40	40	30							0		
3	FY 10	A	155	155																							0		
3	FY 10	NG	160	160																							0		
3	FY 10	TOT	315	0	315						70	70	70	70	35												0		
3	FY 11	A	157	157																							0		
3	FY 11	NG	37	37																							0		
3	FY 11	TOT	194	0	194						A													50	50	50	44	0	
81mm Cannon Tubes																													
2	FY 08	TOT	135	135																							0		
2	FY 11	A	32	0	32						A														32		0		
120mm Cannon Tubes (M120)																													
2	FY 08	TOT	123	123																							0		
2	FY 09	A	11	11																							0		
2	FY 09	NG	30	30																							0		
2	FY 09	TOT	41	41																							0		
						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	Dynamic Flow Form, Billerica, MA	10	150	200		1	Initial	6	9	12	21																		
							Reorder	3	9	24	33																		
2	Watervliet Arsenal, Watervliet, NY	10	95	165		2	Initial	6	6	12	18																		
							Reorder	3	6	12	18																		
3	To Be Selected, To Be Selected	10	95	200		3	Initial	6	6	12	18																		
							Reorder	3	6	12	18																		
							Initial																						
							Reorder																						
							Initial																						
							Reorder																						

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	3396									3396
Gross Cost	59.2	0.2	0.2	0.2						59.9
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	59.2	0.2	0.2	0.2						59.9
Initial Spares										
Total Proc Cost	59.2	0.2	0.2	0.2						59.9
Flyaway U/C										
Weapon System Proc U/C										

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

Justification:
 FY11 Base procurement dollars in the amount of \$0.235 million supports the National Guard by providing engineering support. 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.

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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)
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Program Elements for Code B Items:		Code: A		Other Related Program Elements:						
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	10423	7857	7324	9297	3195	3152	2988	2887		47123
Gross Cost	45.5	21.0	29.9	38.8	13.8	14.0	13.6	13.5		190.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	45.5	21.0	29.9	38.8	13.8	14.0	13.6	13.5		190.1
Initial Spares										
Total Proc Cost	45.5	21.0	29.9	38.8	13.8	14.0	13.6	13.5		190.1
Flyaway U/C										
Weapon System Proc U/C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0

P-40 Breakdown									
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	
Active	Qty	4969	6813	9102	3137	3152	2988	2887	
	Gross Cost	13303.0	27790.0	37967.0	13500.0	13967.0	13618.0	13538.0	
National Guard	Qty	2724	289	113	5	0	0	0	
	Gross Cost	7294.0	1179.0	472.0	20.0	0.0	0.0	0.0	
Reserve	Qty	164	222	82	53	0	0	0	
	Gross Cost	439.0	905.0	343.0	231.0	0.0	0.0	0.0	
Total	Qty	7857	7324	9297	3195	3152	2988	2887	
	Gross Cost	21036	29874	38782	13751	13967	13618	13538	

Description:
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.

Justification:
FY11 Base procurement dollars in the amount of \$16.282 million supports the Active Army, National Guard (NG) and Army Reserves (AR) by purchasing 3,869 Grenade Launcher Modules (GLM). The GLM will provide deploying units an improved capability over the M203 Grenade Launcher. The M320 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.

FY11 OCO procurement dollars in the amount of \$22.500 million supports the Active Army, National Guard (NG) and Army Reserves (AR) by purchasing 5,428 Grenade Launcher Modules (GLM). The GLM will provide deploying units an improved capability over the M203 Grenade Launcher. The M320 Grenade Launcher Module replaces the M203s for deploying BCTs to OEF.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID CD	FY 09			FY 10			FY 11		
		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	A	18956	7857	2.4	17856	7324	2.4	23344	9297	2.5
2. Day Night Sight					8430	7324	1.2	11016	9297	1.2
3. Laser Range Finder		1003	3184	0.3	2308	7324	0.3	3016	9297	0.3
4. Tool Set		168	418	0.4	151	366	0.4	196	464	0.4
5. Racks		314	418	0.8	283	366	0.8	367	464	0.8
6. Engineering Support		295			306			285		
7. Integrated Logistics Support (ILS)		100			170			165		
8. Fielding		100			170			165		
9. New Equipment Training (NET)		100			200			228		
Total:		21036			29874			38782		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2010

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. M320 Grenade Launcher										
FY 2009	Heckler & Koch Defense, Inc Ashburn, VA	SS/FFP	TACOM, Warren, MI	Oct 09	Jan 10	7857	2.4	Yes		
FY 2010	Heckler & Koch Defense, Inc Ashburn, VA	SS/FFP	TACOM, Warren, MI	Mar 10	Jul 10	7324	2.4	Yes		
FY 2011	Heckler & Koch Defense, Inc Ashburn, VA	Option	TACOM, Warren, MI	Jan 11	Apr 11	9297	2.5	Yes		
2. Day Night Sight										
FY 2010	Insight Technology Inc Londonderry, NH	Option	TACOM, Rock Island, IL	Mar 10	Jun 10	7324	1.2	Yes		
FY 2011	Insight Technology Inc Londonderry, NH	Option	TACOM, Rock Island, IL	Jan 11	Apr 11	9297	1.2	Yes		
3. Laser Range Finder										
FY 2009	Bushnell Sports Optics Overland Park, KS	SS/FPP	TACOM, Rock Island, IL	Oct 09	Dec 09	3184	0.3	Yes		
FY 2010	Bushnell Sports Optics Overland Park, KS	Option	TACOM, Rock Island, IL	Jan 10	Apr 10	7324	0.3	Yes		
FY 2011	Bushnell Sports Optics Overland Park, KS	Option	TACOM, Rock Island, IL	Jan 11	Apr 11	9297	0.3	Yes		

REMARKS: The Army must procure 30,000 units from Heckler & Koch Defense, prior to competition. In support of the FY2009 M320 buy 7,857 Day Night Sights were purchased with FY2008 Funds.

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

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	

1. M320 Grenade Launcher																																				
1	FY 08	A	10423	0	10423																															0
1	FY 09	A	4969	4969																																0
1	FY 09	NG	2724	2724																																0
1	FY 09	AR	164	164																																0
1	FY 09	TOT	7857	0	7857																															0
1	FY 10	A	6813	6813																																0
1	FY 10	NG	289	289																																0
1	FY 10	AR	222	222																																0
1	FY 10	TOT	7324	0	7324																															0
1	FY 11	A	9102	9102																																0
1	FY 11	NG	113	113																																0
1	FY 11	AR	82	82																																0
1	FY 11	TOT	9297	0	9297																															9297
Total																																				15424
						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 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	Heckler & Koch Defense, Inc, Ashburn, VA	3600	9000	18000	6	1	3	5	5	10	
							1	3	4	7	
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

FY 11 / 12 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)										Date: February 2010								
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
1. M320 Grenade Launcher																												
1	FY 08	A	10423	10423																								0
1	FY 09	A	4969	4969																								0
1	FY 09	NG	2724	2724																								0
1	FY 09	AR	164	164																								0
1	FY 09	TOT	7857	7395	462	462																						0
1	FY 10	A	6813	6813																								0
1	FY 10	NG	289	289																								0
1	FY 10	AR	222	222																								0
1	FY 10	TOT	7324	1659	5665	738	1000	1000	1000	1000	927																	0
1	FY 11	A	9102	9102																								0
1	FY 11	NG	113	113																								0
1	FY 11	AR	82	82																								0
1	FY 11	TOT	9297	0	9297				A		900	900	900	900	900	900	900	900	765	765	400	167						0
Total					15424	1200	1000	1000	1000	1000	927	900	900	900	900	900	900	900	765	765	400	167						
					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 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	Heckler & Koch Defense, Inc, Ashburn, VA	3600	9000	18000	6	1	Initial 3	Reorder 1	5	5	10	
							Initial	Reorder				
							Initial	Reorder				
							Initial	Reorder				
							Initial	Reorder				
							Initial	Reorder				

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	2049	439	422	155						3065
Gross Cost	25.9	7.4	6.2	5.2						44.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	25.9	7.4	6.2	5.2						44.7
Initial Spares										
Total Proc Cost	25.9	7.4	6.2	5.2						44.7
Flyaway U/C										
Weapon System Proc U/C	0.0									0.0

P-40 Breakdown

Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Active	Qty	406	422	0	0	0	0	0
	Gross Cost	6823.0	6204.0	1034.0	0.0	0.0	0.0	0.0
National Guard	Qty	33	0	155	0	0	0	0
	Gross Cost	562.0	0.0	4125.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	439	422	155	0	0	0	0
	Gross Cost	7385	6204	5159	0	0	0	0

Description:

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

Justification:

FY11 Base procurement dollars in the amount of \$5.159 million supports the Active Army and National Guard (NG) by purchasing 155 M110 SASS's and ancillary items 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.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No:	P-1 Line Item Nomenclature:	Weapon System Type:	Date:
	Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)		February 2010

WTCV Cost Elements	ID CD	FY 09			FY 10			FY 11		
		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	4685	439	10.7	4928	422	11.7	1860	155	12.0
Anti Reflection Devices (ARD)	A	112	508	0.2	100	422	0.2	76	342	0.2
Spotting Scope Items	A	577	508	1.1	470	422	1.1	359	342	1.0
Ancillary Items (Improved Buttstock)	B							2000	3091	0.6
2. Shipping (GBL)		52			45			70		
3. Engineering Support		1241			411			313		
5. STRICOM (MILES)		282								
6. Testing		57			60			57		
7. Integrated Logistics Support (ILS)		104			50			149		
8. New Equipment Training (NET)		156			88			156		
9. Total Package Fielding (TPF)		119			52			119		
Total:		7385			6204			5159		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2010

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	
1. Hardware											
SASS Weapons											
FY 2009	Knights Armaments Co. Titusville, FL	Option	JML LCMC, Picatinny,NJ	Mar 09	Nov 09	439	10.7				
FY 2010	Knights Armaments Co. Titusville, FL	Option	JML LCMC, Picatinny,NJ	Jan 10	May 10	422	11.7	YES			
FY 2011	Knights Armaments Co. Titusville, FL	Option	JML LCMC, Picatinny,NJ	Jan 11	Apr 11	155	12.0	YES			
Anti Reflection Devices (ARD)											
FY 2009	L3 Garland, Tx	Option	TACOM-RI, Rock Island, IL	Nov 08	Feb 09	508	0.2				
FY 2010	L3 Garland, Tx	Option	TACOM-RI, Rock Island, IL	Mar 10	Jun 10	422	0.2	YES			
FY 2011	TBS TBS	C/FFP	TACOM, Warren, MI	Mar 11	Jun 11	342	0.2	YES			
Spotting Scope Items											
FY 2009	Ashbury International Charlottesville, VA	Option	JML LCMC, Picatinny,NJ	Feb 09	May 09	508	1.1				
FY 2010	Ashbury International Charlottesville, VA	Option	JML LCMC, Picatinny,NJ	Mar 10	May 11	422	1.1	YES			
FY 2011	TBS TBS	C/FFP	JML LCMC, Picatinny,NJ	Mar 11	May 11	342	1.0	YES			
Ancillary Items (Improved Buttstock)											
FY 2011	TBS TBS	C/FFP	TACOM, Warren, MI	Jan 11	Feb 11	3091	0.6	NO	Dec 10		

REMARKS:

FY 09 / 10 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)

Date:
February 2010

COST ELEMENTS					Fiscal Year 09												Fiscal Year 10												Later	
MFR	FY	SERV	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
1. Hardware																														
1	FY 09	A	406	406																								0		
1	FY 09	NG	33	33																								0		
1	FY 09	TOT	439	0	439					A							46	72	72	72	72	72	72	33				0		
1	FY 10	A	422	0	422															A				17	41	40	40	40	244	
1	FY 11	NG	155	0	155																							155		
Total					1016												46	72	72	72	72	72	72	50	41	40	40	40	399	

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	Knights Armaments Co., Titusville, FL	400	2400	6000	9	1	Initial	3	3	5	8	
							Reorder	3	3	4	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 11 / 12 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)

Date:
February 2010

COST ELEMENTS					Fiscal Year 11												Fiscal Year 12												Later	
MFR	FY	SERV	PROC QTY Units	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
1. Hardware																														
1	FY 09	A	406	406																								0		
1	FY 09	NG	33	33																								0		
1	FY 09	TOT	439	439																								0		
1	FY 10	A	422	178	244	40	40	40	40	40	40	4																0		
1	FY 11	NG	155	0	155				A			36	40	40	39													0		
Total					399	40	40	40	40	40	40	40	40	40	39															
					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	Knights Armaments Co., Titusville, FL	400	2400	6000	9	1	Initial	3	3	5	8	
							Reorder	3	3	4	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

 Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles
 P-1 Item Nomenclature: M4 Carbine (G14904)

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

	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	444499	29290	12000	11494	11197	9943	22931	22168		563522
Gross Cost	497.8	52.0	20.4	20.2	20.1	18.4	43.6	43.4		716.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	497.8	52.0	20.4	20.2	20.1	18.4	43.6	43.4		716.0
Initial Spares										
Total Proc Cost	497.8	52.0	20.4	20.2	20.1	18.4	43.6	43.4		716.0
Flyaway U/C										
Weapon System Proc U/C	0.0									0.0

P-40 Breakdown

Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Active	Qty	0	3756	5880	9550	9943	22931	22168
	Gross Cost	0.0	6398.0	10321.0	17149.0	18378.0	43605.0	43376.0
National Guard	Qty	23824	2095	3788	230	0	0	0
	Gross Cost	42333.0	3568.0	6652.0	413.0	0.0	0.0	0.0
Reserve	Qty	5466	6149	1826	1417	0	0	0
	Gross Cost	9713.0	10471.0	3207.0	2545.0	0.0	0.0	0.0
Total	Qty	29290	12000	11494	11197	9943	22931	22168
	Gross Cost	52046	20437	20180	20107	18378	43605	43376

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 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:

FY11 Base procurement dollars in the amount of \$20.180 million supports the Active Army, National Guard (NG) and Army Reserves(AR) by purchasing 11,494 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. The M4 Carbine is 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.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: M4 Carbine (G14904)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	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	35354	29290	1.2	15247	12000	1.3	15042	11494	1.3
2. Combat Optics		9671	29290	0.3	3982	12000	0.3	3927	11494	0.3
3. Engineering Support		6019			982			911		
4. Integrated Logistics Support		451			83			100		
5. Fielding/Transportation		451			130			100		
6. Engineer Tests		100			13			100		
Total:		52046			20437			20180		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2010

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:		P-1 Line Item Nomenclature: M4 Carbine (G14904)						
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. M4 Carbine										
FY 2009	Colt's Mfg Co. Inc Hartford, CT	Option	TACOM-RI, Rock Island, IL	Nov 08	Jan 10	29290	1.2			
FY 2010	Colt's Mfg Co. Inc Hartford, CT	Option	TACOM-RI, Rock Island, IL	Jan 10	Apr 10	12000	1.3	Yes		
FY 2011	Colt's Mfg Co. Inc Hartford, CT	SS/FFP	TACOM-RI, Rock Island, IL	Jan 11	Apr 11	11494	1.3	Yes		
2. Combat Optics										
FY 2009	Aimpoint Inc. Chantily, VA	Option	JM&L LCMC, Picatinny, NJ	Aug 09	Sep 09	29290	0.3			
FY 2010	Aimpoint Inc. Chantily, VA	Option	JM&L LCMC, Picatinny, NJ	Jan 10	Feb 10	12000	0.3	Yes		
FY 2011	Aimpoint Inc. Chantily, VA	Option	JM&L LCMC, Picatinny, NJ	Jan 11	Feb 11	11494	0.3	Yes		

REMARKS:

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE M4 Carbine (G14904)										Date: February 2010										
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
1. M4 Carbine																														
1	FY 08	A	112423	1000	111423	8000	10000	10000	10000	10085	10083	9232	8000	8000	8000	8000	8000	4023										0		
1	FY 08	AF	15032	0	15032		32	300	350	177								2772	2773	2273	2773	2414	1168				0			
1	FY 08	MC	17829	0	17829					64	617	618	1115	1276	1278	1200	1200	1252	4000	5000	209						0			
1	FY 08	FMS	12771	0	12771		754	783	785	870	500	450	500	500	500	500	500	1243	2500	2000	386						0			
1	FY 09	NG	23824	23824																							0			
1	FY 09	AR	5466	5466																							0			
1	FY 09	TOT	29290	0	29290		A														3000	3500	3500	4300	4090	3800	3800	3300	0	
1	FY 09	AF	7855	0	7855																					900	882	6073		
1	FY 09	MC	10112	0	10112																1000	1000	1000	1000	1000	1000	725	700	700	1987
1	FY 09	FMS	10858	0	10858													20			54		92				1410	100	9182	
1	FY 10	A	3756	3756																								0		
1	FY 10	NG	2095	2095																								0		
1	FY 10	AR	6149	6149																								0		
1	FY 10	TOT	12000	0	12000																	A		500	500	800	200	600	1400	8000
1	FY 10	AF	9700	0	9700																							9700		
1	FY 10	MC	9506	0	9506																			1000	1000	500	1000	3500	2506	
1	FY 10	FMS	5047	0	5047																							5047		
1	FY 11	A	5880	5880																								0		
						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	4	7	
							Reorder	2	3	4	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE M4 Carbine (G14904)										Date: February 2010										
COST ELEMENTS						Fiscal Year 09										Fiscal Year 10										Later				
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09										Calendar Year 10														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P
1. M4 Carbine																														
1	FY 11	NG	3788	3788																								0		
1	FY 11	AR	1826	1826																								0		
1	FY 11	TOT	11494	0	11494																							11494		
1	FY 11	AF	6087	0	6087																							6087		
1	FY 11	MC	1987	0	1987																							1987		
1	FY 11	FMS	17104	0	17104																							17104		
Total					288095	8000	10786	11083	11135	11196	11200	10300	9615	9776	9778	9700	9700	9310	9273	9273	7422	6914	5760	5800	6590	6600	6635	6500	6582	79167
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	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	Colt's Mfg Co. Inc, Hartford, CT	12000	36000	144000	18	1	Initial	5	3	4	7																			
							Reorder	2	3	4	7																			
							Initial																							
							Reorder																							
							Initial																							
							Reorder																							
							Initial																							
							Reorder																							

FY 11 / 12 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
M4 Carbine (G14904)

Date:
February 2010

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	
1. M4 Carbine																														
1	FY 08	A	112423	112423																								0		
1	FY 08	AF	15032	15032																								0		
1	FY 08	MC	17829	17829																								0		
1	FY 08	FMS	12771	12771																								0		
1	FY 09	NG	23824	23824																								0		
1	FY 09	AR	5466	5466																								0		
1	FY 09	TOT	29290	29290																								0		
1	FY 09	AF	7855	1782	6073	86			2616	2301	1070																	0		
1	FY 09	MC	10112	8125	1987			1384	603																			0		
1	FY 09	FMS	10858	1676	9182	6000	3182																					0		
1	FY 10	A	3756	3756																								0		
1	FY 10	NG	2095	2095																								0		
1	FY 10	AR	6149	6149																								0		
1	FY 10	TOT	12000	4000	8000	500	1000	5000	1500																			0		
1	FY 10	AF	9700	0	9700					1200	1200	1200	1200	1200	1200	1200	1300											0		
1	FY 10	MC	9506	7000	2506	6	2000	500																				0		
1	FY 10	FMS	5047	0	5047			1000	1000	1000	1000	1000	47															0		
1	FY 11	A	5880	5880																								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	Colt's Mfg Co. Inc, Hartford, CT	12000	36000	144000	18	1	Initial	5	3	4	7	
							Reorder	2	3	4	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 11 / 12 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE M4 Carbine (G14904)										Date: February 2010								
COST ELEMENTS						Fiscal Year 11										Fiscal Year 12										Later		
MFR	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
I. M4 Carbine																												
1	FY 11	NG	3788	3788																								0
1	FY 11	AR	1826	1826																								0
1	FY 11	TOT	11494	0	11494				A			957	957	957	957	957	957	1438	1438	1438	1438							0
1	FY 11	AF	6087	0	6087						507	507	507	507	507	507	507	635	635	634	634							0
1	FY 11	MC	1987	0	1987						165	337	165	165	165	165	165	165	165	165	165	165						0
1	FY 11	FMS	17104	0	17104						1000	1425	1425	1854	1425	1425	1425	1425	1425	1425	1425	1425						0
Total					79167	6592	6182	6500	6500	6104	5367	5426	4730	4254	4254	4254	4354	3663	3663	3662	3662							
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	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	Colt's Mfg Co. Inc, Hartford, CT	12000	36000	144000	18	1	Initial	5	3	4	7	
							Reorder	2	3	4	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	4059	4884		3659	3442	3243				19287
Gross Cost	12.5	9.1		7.2	6.7	6.5				42.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	12.5	9.1		7.2	6.7	6.5				42.0
Initial Spares										
Total Proc Cost	12.5	9.1		7.2	6.7	6.5				42.0
Flyaway U/C										
Weapon System Proc U/C	0.0	0.0		0.0	0.0	0.0				0.0

P-40 Breakdown

Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Active	Qty	3926	0	3595	3426	3243	0	0
	Gross Cost	7290.0	0.0	7028.0	6692.0	6538.0	0.0	0.0
National Guard	Qty	941	0	15	16	0	0	0
	Gross Cost	1748.0	0.0	29.0	32.0	0.0	0.0	0.0
Reserve	Qty	17	0	49	0	0	0	0
	Gross Cost	32.0	0.0	96.0	0.0	0.0	0.0	0.0
Total	Qty	4884	0	3659	3442	3243	0	0
	Gross Cost	9070	0	7153	6724	6538	0	0

Description:

The M26 Modular Accessory Shotgun System (MASS) is a 12 gauge shotgun that attaches underneath the barrel of the M4 Carbine. The MASS can also be fired in a stand alone mode. The MASS provides the capability to fire lethal, non-lethal, and door breaching 12 gauge rounds. The weapon system can be zeroed to the sighting system of the host weapon for improved accuracy.

Justification:

FY11 Base procurement dollars in the amount of \$7.153 million supports the Active Army, National Guard (NG) and Army Reserves (AR) by purchasing 3,659 M26 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.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	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	8433	4884	1.7				6684	3659	1.8
2. Racks		365	488	0.7				282	366	0.8
3. Engineering Support		203						121		
4. Integrated Logistics Support		23						22		
5. Fielding		23						22		
6. New Equipment Training (NET)		23						22		
Total:		9070						7153		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2010

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. Shotguns										
FY 2008	Vertu Corporation Manassas, VA	Option	JM&L LCMC, Picatinny, NJ	Jan 10	Apr 10	1900	1.9			
FY 2008	Vertu Corporation Manassas, VA	Option	JM&L LCMC, Picatinny, NJ	Aug 10	Sep 10	2159	1.9			
FY 2009	Vertu Corporation Manassas, VA	Option	JM&L LCMC, Picatinny, NJ	Aug 10	Jan 11	4884	1.7			
FY 2011	Vertu Corporation Manassas, VA	Option	JM&L LCMC, Picatinny, NJ	Jan 11	Nov 11	3659	1.8	Yes		

REMARKS: Option to RDTE Contract. Full Rate Production (FRP) planned Oct 10.

FY 09 / 10 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)

Date:
February 2010

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		
1. Shotguns																															
1	FY 08	TOT	1900	0	1900															A					200	300	300	500	500	100	0
1	FY 08	TOT	2159	0	2159																								A	400	1759
1	FY 09	A	3926	3926																											0
1	FY 09	NG	941	941																											0
1	FY 09	AR	17	17																											0
1	FY 09	TOT	4884	0	4884																								A		4884
1	FY 11	A	3595	3595																											0
1	FY 11	NG	15	15																											0
1	FY 11	AR	49	49																											0
1	FY 11	TOT	3659	0	3659																										3659
Total					12602																				200	300	300	500	500	500	10302
						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	Vertu Corporation, Manassas, VA	1000	6000	7610	6	1	Initial	3	
							Reorder	3	3	11	14
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

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	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
						C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	
1. Shotguns																														
1	FY 08	TOT	1900	1900																								0		
1	FY 08	TOT	2159	400	1759	500	500	500	259																			0		
1	FY 09	A	3926	3926																								0		
1	FY 09	NG	941	941																								0		
1	FY 09	AR	17	17																								0		
1	FY 09	TOT	4884	0	4884				241	500	500	500	500	500	500	500	500	143									0			
1	FY 11	A	3595	3595																								0		
1	FY 11	NG	15	15																								0		
1	FY 11	AR	49	49																								0		
1	FY 11	TOT	3659	0	3659				A									357	500	500	500	500	500	500	302		0			
Total						10302	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	302				
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
						C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	C
						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			1	Initial				Reorder
1	Vertu Corporation, Manassas, VA	1000	6000	7610	6	1	Initial	3	6	15	21	
							Reorder	3	3	11	14	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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: 0604601A - Infantry Support Weapons
 Code: B
 Other Related Program Elements:

	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	2654	2423	2106	425						7608
Gross Cost	739.5	601.5	495.0	100.0						1936.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	739.5	601.5	495.0	100.0						1936.0
Initial Spares										
Total Proc Cost	739.5	601.5	495.0	100.0						1936.0
Flyaway U/C										
Weapon System Proc U/C										

Description:
 The Common Remotely Operated Weapon Station (CROWS) is a mount that provides the capability to remotely operate all standard U.S. Army machine guns (i.e., M2 Heavy Barrel Machine Guns, MK-19 Grenade Machine Guns, M240B Medium Machine Guns and M249 Squad Automatic Weapons) on an Up-Armored High Mobility Multi-Purpose Wheeled Vehicle (HMMWV) and a variety of other vehicles. The CROWS system includes a three axis stabilized mount, a sensor suite with fire control software, and a vehicle integration kit. Planned product improvements underway 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 thermal camera. The laser range finder and three-axis stabilization allows for accurate fire on the move.

Justification:
 FY11 Base has no procurement funding.
 FY11 Overseas Contingency Operations (OCO) procurement dollars in the amount of \$100.000 million supports the Active Army by purchasing 425 CROWS systems to execute the OCO by resetting items, replacing battle losses, generating and protecting forces and enhancing military capabilities.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: Common Remotely Operated Weapons Station (CROWS) (G04700)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID CD	FY 09			FY 10			FY 11		
		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										
CROWS system	B	511795	2423	211	450674	2106	214	85000	425	200
Vehicle Integration Kit		1131	365	3						
Trainers		4000								
Engineering Support		16432			9500			3131		
Integrated Logistics Support		7973			5500			1223		
Total Package Fielding		8570			6500			1858		
Contractor Field Service Representatives		2537			2562			1639		
Production Verification Test		2227			1000					
First Destination Transportation		1211			1111			42		
Spares/Repair Parts		40194			16153			6107		
New Equipment Training		5430			2000			1000		
Total:		601500			495000			100000		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2010

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: Common Remotely Operated Weapons Station (CROWS) (G04700)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
CROWS system										
FY 2009	Kongsberg Aerospace Johnstown, PA	Option	TACOM-Picatinny, Picatinny,NJ	Aug 09	Feb 10	878	208			
FY 2009	Kongsberg Aerospace Johnstown, PA	Option	TACOM-Picatinny, Picatinny,NJ	Dec 09	May 10	1321	214			
FY 2009	Kongsberg Aerospace Johnstown, PA	Option	TACOM-Picatinny, Picatinny,NJ	Apr 10	Sep 10	224	214			
FY 2010	Kongsberg Aerospace Johnstown, PA	Option	TACOM-Picatinny, Picatinny,NJ	Dec 09	Oct 10	64	214	Yes		
FY 2010	Kongsberg Aerospace Johnstown, PA	Option	TACOM-Picatinny, Picatinny,NJ	Apr 10	Oct 10	2042	214	Yes		
FY 2011	TBS TBS	C/FFP	TACOM-Picatinny, Picatinny,NJ	Jun 11	Oct 11	425	200	Yes		
Vehicle Integration Kit										
FY 2009	Micor Industries Decatur, AL	Option	TACOM-Picatinny, Picatinny,NJ	Oct 09	Feb 10	365	3			

REMARKS: FY 09 Dec 2009 contract award to Kongsberg for 1,321 systems employed an Unfinalized Contract Action (UCA) which obligated fifty percent of funds, definitization is scheduled for no later than end of Mar 2010.

COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
MFR	FY	SERV	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	

CROWS system																																
1	FY 08 P	A	2628	397	2231	166	106	180	177	80	198	210	82	90	115	120	58	36	199	101	210	103										0
1	FY 09	A	2423	0	2423											A					A		157	360	350	300	300	300	300	300	300	56
1	FY 10	A	2106	0	2106																A										2106	
2	FY 11	A	425	0	425																										425	
1	FY 08 P	SOC	325	0	325						16			3	100	1		29	95	51	30										0	
1	FY 08 P	MC	4	0	4	4																									0	
1	FY 08 P	AF	25	0	25		4		21																						0	
1	FY 09	SOC	585	0	585																										585	
1	FY 09	AF	170	0	170																40	40	40	50							0	
Total						8294	170	110	180	198	80	214	210	82	93	215	121	58	65	294	152	280	300	400	400	300	300	300	300	3172		
						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			1	Initial				2	12
1	Kongsberg Aerospace, Johnstown, PA	420	4800	6000		1	Initial	2	12	5	17	Other service buys on P21 does not include other Army requirements totaling 2,279 systems to be identified on other Army P-Form submissions such as the Vanguard and M93 Fox Programs.	
						1	Reorder	2	8	5	13		
2	TBS, TBS	420	4800	6000		2	Initial	2	8	5	13		
						2	Reorder	2	8	5	13		
							Initial						
							Reorder						
							Initial						
							Reorder						

COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
MFR	FY	SERV	PROC QTY Units	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	

CROWS system																													
1	FY 08 P	A	2628	2628																								0	
1	FY 09	A	2423	2367	56	56																						0	
1	FY 10	A	2106	0	2106	174	204	140	140	140	146	139	116	230	227	225	225											0	
2	FY 11	A	425	0	425									A				40	40	40	40	40	40	40	40	40	40	25	0
1	FY 08 P	SOC	325	325																								0	
1	FY 08 P	MC	4	4																								0	
1	FY 08 P	AF	25	25																								0	
1	FY 09	SOC	585	0	585		26	90	90	90	84	91	114															0	
1	FY 09	AF	170	170																								0	
Total						3172	230	230	230	230	230	230	230	230	227	225	225	40	40	40	40	40	40	40	40	40	40	25	
					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	4800	6000	1	Initial	2	12	5	17	Other service buys on P21 does not include other Army requirements totaling 2,279 systems to be identified on other Army P-Form submissions such as the Vanguard and M93 Fox Programs.
						Reorder	2	8	5	13	
2	TBS, TBS	420	4800	6000	2	Initial	2	8	5	13	
						Reorder	2	8	5	13	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty		2895	5000	5000						12895
Gross Cost		1.6	3.4	3.4						8.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1		1.6	3.4	3.4						8.3
Initial Spares										
Total Proc Cost		1.6	3.4	3.4						8.3
Flyaway U/C										
Weapon System Proc U/C										

Description:
 Currently the M9 Pistol is utilized as a Personal Defense Weapon provided in the field. The new Modular Handgun System would replace the M9 Pistol as a new Personal Defense Weapon. In FY 2011 a New Start will be initiated to procure a new Modular Handgun System.

Justification:
 FY11 Base procurement dollars in the amount of \$3.371 million supports the Active Army by purchasing 5,000 new Modular Handguns as a Personal Defense Weapon (PDW) to support the Active Army.

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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)
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Program Elements for Code B Items: 0604854-509	Code: B	Other Related Program Elements:
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	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty	316	38	53	14						421
Gross Cost	733.1	120.9	157.4	62.0						1073.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	733.1	120.9	157.4	62.0						1073.3
Initial Spares										
Total Proc Cost	733.1	120.9	157.4	62.0						1073.3
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown

Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Active	Qty	25	36	14	0	0	0	0
	Gross Cost	80841.0	111525.0	62000.0	0.0	0.0	0.0	0.0
National Guard	Qty	13	17	0	0	0	0	0
	Gross Cost	40030.0	45890.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	38	53	14	0	0	0	0
	Gross Cost	120871	157415	62000	0	0	0	0

Description:
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 emplaces three-times faster and displaces four-times faster. It traverses 32 percent more terrain worldwide and is 70 percent more survivable than the M198.

Justification:
FY11 Overseas Contingency Operations (OCO) procurement dollars in the amount of \$62.000 million procures 14 M777 Light Weight 155MM Howitzers. It also supports Interim Contractor Support for all guns in theater. Finally it provides for Capability Package to address usage problems encountered in Afghanistan - Hydraulic Power Assist (HYPAK), Muzzle Velocity Radar, and

Exhibit P-40, Budget Item Justification Sheet		Date: February 2010
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:
<p>Power Distribution Systems. The HYPAK assists the howitzer crew in elevating the howitzer when emplacing and displacing. This increases responsiveness and survivability and addresses the types of missions being conducted in Forward Operating Bases. The Muzzle Velocity Radar is an off-the-shelf replacement for the radar used since the earlier M198 howitzer and which has proven to be problematic. The Power Distribution upgrade allows for use of AC power to recharge on-board batteries that power digital components. Current method of recharge is through running of prime mover (MTVR) and due to 24 hour operations has degraded MTVR assets in theater.</p> <p>The LW155 replaces the M198 Towed Howitzer for the U.S. Army and USMC. The LW155 must be procured in FY2011 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. These guns are needed for the reorganized Fires Battalions.</p>		

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: HOWITZER LT WT 155MM (T) (G01700)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	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
BAE Lightweight 155mm Howitzer		86375	38	2273	124550	53	2350	32900	14	2350
Watervliet Arsenal Cannon		9500	38	250	13250	53	250	3500	14	250
Primer Feed Mechanism		798	38	21	1060	53	20	280	14	20
Optical Fire Control		1824	38	48	2332	53	44	616	14	44
Basic Initial Issue		5908			1316			340		
System Engineering / Program Management		8500			7985			2524		
Test		3250			1767			490		
Fielding		4716			5155			1350		
Interim Contractor Support (ICS)								12000		
Capability Package 1								8000		
Total:		120871			157415			62000		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2010

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	
BAE Lightweight 155mm Howitzer											
FY 2009	BAE SYSTEMS Barrow-in-Furness, UK	SS/FFP	Picatinny Arsenal, NJ	Jul 09	Oct 10	38	2273				
FY 2010	BAE SYSTEMS Barrow-in-Furness, UK	SS/FFP	Picatinny Arsenal, NJ	Mar 10	Oct 11	53	2350				
FY 2011	BAE SYSTEMS Barrow-in-Furness, UK	SS/FFP	Picatinny Arsenal, NJ	Dec 10	Aug 12	14	2350				
Watervliet Arsenal Cannon											
FY 2009	Watervliet Arsenal Watervliet, NY 12189	MIPR	N/A	Oct 08	May 09	38	250				
FY 2010	Watervliet Arsenal Watervliet, NY 12189	MIPR	N/A	Jan 10	May 10	53	250				
FY 2011	Watervliet Arsenal Watervliet, NY 12189	MIPR	N/A	Oct 10	May 11	14	250				
Primer Feed Mechanism											
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	Jan 10	May 10	53	20				
FY 2011	Triumph Actuator Systems Bloomfield, CT 06002	SS/FFP	Picatinny Arsenal, NJ	Oct 10	May 11	14	20				
Optical Fire Control											
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	Jan 10	May 10	53	44				
FY 2011	Seiler Instrument St. Louis, MO 63119	SS/FFP	Picatinny Arsenal, NJ	Oct 10	May 11	14	44				

REMARKS:

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE HOWITZER LT WT 155MM (T) (G01700)										Date: February 2010										
COST ELEMENTS						Fiscal Year 09										Fiscal Year 10										Later				
MFR	FY	SERV	PROC QTY x1000	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
BAE Lightweight 155mm Howitzer																														
1	FY 08	A	203	14	189	7	7	7	7	7	7	7	7	7	7	7	7	7	6	10	10	10	10	10	10	10	10	5	0	
1	FY 08	MC	100	0	100	7	7	7	7	7	7	7	7	7	7	7	7	5	4										0	
1	FY 09	A	25	25																									0	
1	FY 09	NG	13	13																									0	
1	FY 09	TOT	38	0	38									A															38	
1	FY 09	MC	62	0	62									A													5	57		
1	FY 09	FMS	25	0	25									A															25	
1	FY 10	A	36	36																									0	
1	FY 10	NG	17	17																									0	
1	FY 10	TOT	53	0	53																	A							53	
1	FY 10	MC	18	0	18																	A							18	
1	FY 10	FMS	35	0	35																	A							35	
1	FY 11	A	14	0	14																								14	
1	FY 11	MC	22	0	22																								22	
Total						14	14	14	14	14	14	14	14	14	14	14	12	10	10	10	10	10	10	10	10	10	10	10	10	262
						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 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 SYSTEMS, Barrow-in-Furness, UK	48	192	192		1	Initial	0	1	11	12	
							Reorder	0	3	20	23	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 11 / 12 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE HOWITZER LT WT 155MM (T) (G01700)										Date: February 2010									
COST ELEMENTS					Fiscal Year 11										Fiscal Year 12										Later				
MFR	FY	SERV	PROC QTY x1000	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
BAE Lightweight 155mm Howitzer																													
1	FY 08	A	203	203																								0	
1	FY 08	MC	100	100																								0	
1	FY 09	A	25	25																								0	
1	FY 09	NG	13	13																								0	
1	FY 09	TOT	38	0	38	5	5	5	5	5	5	5	3															0	
1	FY 09	MC	62	5	57	5	5	5	5	5	5	5	7	10	5													0	
1	FY 09	FMS	25	0	25									5	10	10												0	
1	FY 10	A	36	36																								0	
1	FY 10	NG	17	17																								0	
1	FY 10	TOT	53	0	53												5	5	5	7	10	10	10	1				0	
1	FY 10	MC	18	0	18												5	5	5	3								0	
1	FY 10	FMS	35	0	35																		9	10	10	6		0	
1	FY 11	A	14	0	14				A																		2	5	7
1	FY 11	MC	22	0	22				A																		2	5	15
Total					262	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	22
						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	BAE SYSTEMS, Barrow-in-Furness, UK	48	192	192		1	0	1	11	12	
							0	3	20	23	
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

FY 13 / 14 BUDGET PRODUCTION SCHEDULE					P-1 ITEM NOMENCLATURE HOWITZER LT WT 155MM (T) (G01700)													Date: February 2010														
COST ELEMENTS					Fiscal Year 13													Fiscal Year 14														
MFR	FY	SERV	PROC QTY x1000	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 13													Calendar Year 14													Later
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
BAE Lightweight 155mm Howitzer																																
1	FY 08	A	203	203																								0				
1	FY 08	MC	100	100																									0			
1	FY 09	A	25	25																									0			
1	FY 09	NG	13	13																									0			
1	FY 09	TOT	38	38																									0			
1	FY 09	MC	62	62																									0			
1	FY 09	FMS	25	25																									0			
1	FY 10	A	36	36																									0			
1	FY 10	NG	17	17																									0			
1	FY 10	TOT	53	53																									0			
1	FY 10	MC	18	18																									0			
1	FY 10	FMS	35	35																									0			
1	FY 11	A	14	7	7	5	2																						0			
1	FY 11	MC	22	7	15	5	8	2																					0			
Total						10	10	2																								
						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 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 SYSTEMS, Barrow-in-Furness, UK	48	192	192		1	0	1	11	12	
							0	3	20	23	
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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)
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Program Elements for Code B Items:		Code:		Other Related Program Elements:						
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	31.1	7.6	8.1	4.3	3.5					54.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	31.1	7.6	8.1	4.3	3.5					54.7
Initial Spares										
Total Proc Cost	31.1	7.6	8.1	4.3	3.5					54.7
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown									
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	
Active	Qty	0	0	0	0	0	0	0	0
	Gross Cost	7517.0	8011.0	4149.0	3543.0	0.0	0.0	0.0	0.0
National Guard	Qty	0	0	0	0	0	0	0	0
	Gross Cost	114.0	128.0	137.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0
	Gross Cost	7631	8139	4286	3543	0	0	0	0

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

Justification:
FY 11 Base procurement dollars in the amount of \$4.286 million supports the Army by purchasing MK-19 Tactical Engagement Simulators (TES), MK93 Mounts (New Start) and XM205 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 MK93 Mounts are used when the MK-19 Machine Gun is mounted on vehicles and the XM205 Tripod is used for ground mounting of the MK-19.

Exhibit P-40M, Budget Item Justification Sheet										Date: February 2010	
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)						
Appropriation / Budget Activity / Serial No:					P-1 Item Nomenclature						
Program Elements for Code B Items:						Code:		Other Related Program Elements:			
Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TC	Total
Tactical Engagement Simulator (TES)											
TBD1	Training	13.2	7.6	7.7	1.3	1.5	0.0	0.0	0.0	0.0	31.3
Tripods											
TBD2	Operational	0.0	0.0	0.4	2.1	1.5	0.0	0.0	0.0	0.0	4.0
Mounts											
TBD3	Operational	0.0	0.0	0.0	0.9	0.5	0.0	0.0	0.0	0.0	1.4
Closed - Modification Kit											
TBD4		17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.9
Totals		31.1	7.6	8.1	4.3	3.5	0.0	0.0	0.0	0.0	54.6

INDIVIDUAL MODIFICATION

Date: February 2010

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

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		

METHOD OF IMPLEMENTATION: Field Application **ADMINISTRATIVE LEADTIME:** 5 months **PRODUCTION LEADTIME:** 8 months
 Contract Dates: FY 2010 - Mar 10 FY 2011 - Mar 11 FY 2012 - Mar 12
 Delivery Dates: FY 2010 - Oct 10 FY 2011 - Oct 11 FY 2012 - Oct 12

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RD&E																				
Procurement																				
Kit Quantity	1088		228		252		25		32										1625	
Hardware		10.5		6.7		6.9		0.7		0.9										25.7
Engineering Support		1.7		0.7		0.5		0.4		0.4										3.7
Integrated Logistical Support		0.6		0.1		0.1		0.1		0.1										1.0
Fielding		0.4		0.1		0.2		0.1		0.1										0.9
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		13.2		7.6		7.7		1.3		1.5		0.0		0.0		0.0		0.0		31.3

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Tripods [MOD 2] TBD2

MODELS OF SYSTEM AFFECTED: MK-19 Grenade Machine Gun

DESCRIPTION / JUSTIFICATION:
M3 Tripods and XM205 Lightweight Tripods for M2/MK19 Machine Guns in dismounted role. XM205 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 3Q10 (Planned)
Type Classification - Standard 4Q11 (Planned)
First Unit Equipped 2Q12(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

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		

METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 9 months PRODUCTION LEADTIME: 4 months
 Contract Dates: FY 2010 - Jul 11 FY 2011 - Jul 11 FY 2012 - Feb 12
 Delivery Dates: FY 2010 - Oct 11 FY 2011 - Oct 11 FY 2012 - Apr 12

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Quantity - XM205 Tripod					100		566		300											966	
Hardware						0.3		1.7		0.9											2.9
Engineering Support						0.1		0.2		0.3											0.6
Integrated Logistical Support								0.1		0.2											0.3
Fielding								0.1		0.1											0.2
Installation of Hardware																					
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Procurement Cost		0.0		0.0		0.4		2.1		1.5		0.0		0.0		0.0		0.0		0.0	4.0

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Mounts [MOD 3] TBD3

MODELS OF SYSTEM AFFECTED: MK-19 Grenade Machine Gun

DESCRIPTION / JUSTIFICATION:

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.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Production Contract Award 2Q11 (Planned)
 First Production Delivered 1Q12 (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

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		

METHOD OF IMPLEMENTATION: Field Application **ADMINISTRATIVE LEADTIME:** 5 months **PRODUCTION LEADTIME:** 8 months
 Contract Dates: FY 2010 - FY 2011 - Mar 11 FY 2012 - Mar 12
 Delivery Dates: FY 2010 - FY 2011 - Oct 11 FY 2012 - Oct 12

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RD&E																					
Procurement																					
Quantity - MK93 Mount							320		160											480	
Hardware								0.8		0.4											1.2
Engineering, ILS, TPF Support								0.1		0.1											0.2
Installation of Hardware																					
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Procurement Cost		0.0		0.0		0.0		0.9		0.5		0.0		0.0		0.0		0.0		0.0	1.4

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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 MODS (GB3007)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:								
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	601.6	16.7	31.4	26.9	13.2	12.6	13.1	13.4		729.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	601.6	16.7	31.4	26.9	13.2	12.6	13.1	13.4		729.0
Initial Spares										
Total Proc Cost	601.6	16.7	31.4	26.9	13.2	12.6	13.1	13.4		729.0
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown										
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015		
Active	Qty	0	0	0	0	0	0	0		0
	Gross Cost	8757.0	30574.0	26731.0	13070.0	12641.0	13145.0	13382.0		
National Guard	Qty	0	0	0	0	0	0	0		0
	Gross Cost	7989.0	621.0	102.0	13.0	0.0	0.0	0.0		0.0
Reserve	Qty	0	0	0	0	0	0	0		0
	Gross Cost	0.0	180.0	111.0	75.0	0.0	0.0	0.0		0.0
Total	Qty	0	0	0	0	0	0	0		0
	Gross Cost	16746	31375	26944	13158	12641	13145	13382		

Description:
The M4 Carbine Modification Program provides a Combat Optic, Close Quarters Battle Kit, an Improved Buttstock, and a Modular Weapon System. The Modular Weapon System includes a rail system, a top carry sling, a flashlight mount, a quick attach bracket kit for the M203 Grenade Launcher, and a back-up iron sight. It also provides the capability for firing the M203A1 and M320 Grenade Launcher (GL) with the M4 Carbine.

Justification:
FY11 Base procurement dollars in the amount of \$14.044 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. These items 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.

Exhibit P-40, Budget Item Justification Sheet	Date:
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February 2010

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M4 CARBINE MODS (GB3007)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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FY11 OCO procurement dollars in the amount of \$12.900 million procures Improved Cleaning Kits for M4 Close Quarter Battle Kits that support deployed Soldiers.

Exhibit P-40M, Budget Item Justification Sheet	Date: February 2010
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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 MODS (GB3007)
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Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TC	Total
Combat Optics											
TBD1	Operational	140.8	1.4	5.3	4.8	4.3	4.1	4.4	4.4	0.0	169.5
Close Quarters Battle Kit											
TBD2	Operational	254.0	15.3	26.1	22.1	8.9	8.5	8.7	9.0	0.0	352.6
Closed Mods											
TBD3		206.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	206.8
Totals		601.6	16.7	31.4	26.9	13.2	12.6	13.1	13.4	0.0	728.9

INDIVIDUAL MODIFICATION

Date: February 2010

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

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

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		

METHOD OF IMPLEMENTATION: Installed by troops **ADMINISTRATIVE LEADTIME:** 3 months **PRODUCTION LEADTIME:** 2 months
 Contract Dates: FY 2010 - Jan 10 FY 2011 - Jan 11 FY 2012 - Jan 12
 Delivery Dates: FY 2010 - Feb 10 FY 2011 - Feb 11 FY 2012 - Feb 12

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Quantity	436764		3358		9107		7881		6972		6446		6730		6330					483588	
Hardware		125.1		0.9		4.9		4.5		4.1		3.9		4.2		4.2					151.8
Engineering Support		10.9		0.3		0.2		0.2		0.1		0.1		0.1		0.1					12.0
Test		0.4																			0.4
Integrated Logistical Support		2.5		0.2		0.1		0.1				0.1				0.1					3.1
Fielding		1.9				0.1				0.1				0.1							2.2
Installation of Hardware																					
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Procurement Cost		140.8		1.4		5.3		4.8		4.3		4.1		4.4		4.4			0.0		169.5

INDIVIDUAL MODIFICATION

Date: February 2010

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):
 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

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		

METHOD OF IMPLEMENTATION: installed by troops ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 2 months
 Contract Dates: FY 2010 - Jan 10 FY 2011 - Jan 11 FY 2012 - Jan 12
 Delivery Dates: FY 2010 - Feb 10 FY 2011 - Feb 11 FY 2012 - Feb 12

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Quantity	484066		19857		92682		74086		27494		25406		25312		25454				774357	
Hardware		237.5		13.9		25.3		21.3		8.3		7.9		8.1		8.4				330.7
Engineering Support		10.8		1.0		0.3		0.3		0.3		0.3		0.3		0.3				13.6
Integrated Logistic Support		3.9		0.2		0.2		0.2		0.2		0.2		0.2		0.2				5.3
Fielding		1.8		0.2		0.3		0.3		0.1		0.1		0.1		0.1				3.0
Engineering Studies																				
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		254.0		15.3		26.1		22.1		8.9		8.5		8.7		9.0		0.0		352.6

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	24.5		35.3	15.0	14.9					89.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	24.5		35.3	15.0	14.9					89.7
Initial Spares										
Total Proc Cost	24.5		35.3	15.0	14.9					89.7
Flyaway U/C										
Weapon System Proc U/C										

Description:

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

Justification:

FY11 OCO procurement dollars in the amount of \$15.000 million supports the Active Army by purchasing 1,166 M2A1 Quick Change Barrel Kits to modify the Machine Gun, Cal 50 M2 into a fixed headspace and timing configuration and 2,720 M205 Tripods for our Soldiers who are participating in Operation Iraqi Freedom and Operation Enduring Freedom.

Exhibit P-40M, Budget Item Justification Sheet	Date: February 2010
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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)
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Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
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Program Elements for Code B Items: 604601A S63	Code: B	Other Related Program Elements: 0604601A S58
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Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TC	Total
M2A1 QUICK CHANGE BARREL KIT											
TBD1	Operational	15.9	0.0	35.3	7.5	9.0	0.0	0.0	0.0	0.0	67.7
Tripods [MOD 2] TBD2											
TBD2	Operational	8.6	0.0	0.0	7.5	6.0	0.0	0.0	0.0	0.0	22.1
CLOSED MODS											
0-00-00-0000		16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5
Totals		41.0	0.0	35.3	15.0	15.0	0.0	0.0	0.0	0.0	106.3

INDIVIDUAL MODIFICATION

Date: February 2010

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

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

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

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

User Assessment 3Q09
 Type Classification - Standard 2Q10 (Planned)
 First Unit Equipped 4Q10 (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
822									474	474	474	475	765	766	766	766	621	621	621	622
									822	474	474	474	475	765	766	766	766	621	621	621

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		
622	313																9202
622	622	313															9202

METHOD OF IMPLEMENTATION: Depot Installed ADMINISTRATIVE LEADTIME: 4 months PRODUCTION LEADTIME: 9 months
 Contract Dates: FY 2010 - Feb 10 FY 2011 - Feb 11 FY 2012 - Feb 12
 Delivery Dates: FY 2010 - Oct 11 FY 2011 - Oct 12 FY 2012 - Oct 12

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Kit Quantity	822				5679		1166	7.0	1535										9202	7.0	
Hardware QCB Kits		4.4				33.7				8.4										46.5	
Ancillary Equipment	56473	10.5																	56473	10.5	
Engineering Support		0.4				0.8		0.2		0.1										1.5	
Testing		0.3				0.1														0.4	
Integrated Logistics Support		0.1				0.2				0.1										0.4	
Fielding		0.2				0.1		0.1		0.1										0.5	
New Equipment Training						0.2				0.1										0.3	
First Destination Transp						0.2		0.1		0.1										0.4	
Anniston Conversion								0.1		0.1										0.2	
Installation of Hardware																					
FY 2007&Prior Kits/Equip																					
FY 2008 -- QCB Kits							822												822		
FY 2009 Equip -- Kits																					
FY 2010 Equip -- Kits							1422		2772		1485								5679		
FY 2011 Equip -- Kits											1144			22					1166		
FY 2012 Equip -- Kits													1535						1535		
FY 2013 Equip -- Kits																					
FY 2014 Equip -- Kits																					
TC Equip- Kits																					
Total Installment	0	0.0	0	0.0	0	0.0	2244	0.0	2772	0.0	2629	0.0	1557	0.0	0	0.0	0	0.0	9202	0.0	
Total Procurement Cost		15.9		0.0		35.3		7.5		9.0		0.0		0.0		0.0		0.0		67.7	

INDIVIDUAL MODIFICATION

Date: February 2010

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 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 Jan 11 (Planned)
 First Unit Equipped Aug 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

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		

METHOD OF IMPLEMENTATION: Field Installed ADMINISTRATIVE LEADTIME: 4 months PRODUCTION LEADTIME: 9 months
 Contract Dates: FY 2010 - FY 2011 - Feb 11 FY 2012 - Feb 12
 Delivery Dates: FY 2010 - FY 2011 - Oct 12 FY 2012 - Oct 12

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
M3 Tripods Qty	12109	8.5																		12109	8.5
M205 Tripod Qty							2720	6.8	1791	5.2										4511	12.0
Engineering Support		0.1						0.3		0.4											0.8
Testing																					
Integrated Logistics Support								0.1		0.1											0.2
New Equipment Training								0.1		0.1											0.2
Fielding								0.1		0.1											0.2
First Destination Transportation								0.1		0.1											0.2
Installation of Hardware																					
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Procurement Cost		8.6		0.0		0.0		7.5		6.0		0.0		0.0		0.0		0.0			22.1

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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

Program Elements for Code B Items:		Code:		Other Related Program Elements:						
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	128.7	11.1	28.7	5.9	5.0	5.0	5.1	5.1		194.4
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	128.7	11.1	28.7	5.9	5.0	5.0	5.1	5.1		194.4
Initial Spares										
Total Proc Cost	128.7	11.1	28.7	5.9	5.0	5.0	5.1	5.1		194.4
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown									
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	
Active	Qty	0	0	0	0	0	0	0	0
	Gross Cost	11006.0	28632.0	5872.0	4960.0	4950.0	5055.0	5108.0	
National Guard	Qty	0	0	0	0	0	0	0	0
	Gross Cost	61.0	77.0	50.0	0.0	0.0	0.0	0.0	
Reserve	Qty	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total	Qty	0	0	0	0	0	0	0	0
	Gross Cost	11067	28709	5922	4960	4950	5055	5108	

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.

Justification:
 FY11 Base procurement dollars in the amount of \$5.922 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

Exhibit P-40, Budget Item Justification Sheet	Date:
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February 2010

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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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.

Exhibit P-40M, Budget Item Justification Sheet	Date: February 2010
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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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Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TC	Total
M249 Rails/Bipod/Handguard/Combat Optics											
TBD1	Operational	16.6	0.0	3.0	1.3	0.0	0.0	0.0	0.0	0.0	20.9
M249 Short Barrel/Coll Buttstock/Heatshield											
TBD2	Operational	37.4	10.0	17.2	2.4	1.1	1.1	1.0	1.0	0.0	71.2
Light Weight Ground Mount											
TBD3	Operational	23.8	0.2	5.5	1.2	2.3	2.3	1.2	1.5	0.0	38.0
Soft Pack Mag 100&200rd/Barrel Bag/Sling Assembly											
TBD4	Operational	7.2	0.9	3.0	1.0	1.6	1.6	2.9	2.6	0.0	20.8
Closed Mods											
TBD5		43.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.7
Totals		128.7	11.1	28.7	5.9	5.0	5.0	5.1	5.1	0.0	194.6

INDIVIDUAL MODIFICATION

Date: February 2010

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

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

DESCRIPTION / JUSTIFICATION:

The M249 Squad Automatic Weapon (SAW) is a 5.56mm, lightweight, machine gun that will be utilized in the automatic rifle role and the machine gun role. The front rails will be fastened to the sides and bottom of the M249 SAW receiver. They will allow attachment of a large variety of existing and future high technology electronic and night vision devices, vertical handgrip, and horizontal handgrip. The combat optic will provide the Soldier with an improved capability to identify and engage targets at long ranges.

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

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Developmental/User Test 2Q00 (Actual)
 Production Decision 3Q00 (Actual)
 Production Contract Award 4Q00 (Actual)
 First Production Hardware Delivered 3Q01 (Actual)
 First Unit Equipped 3Q00 (Actual)*
 * 300 pre-production rails delivered to Rangers

Installation Schedule

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

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		

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

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
Procurement																				
Quantity (Various Components)	216337				20500		7800												244637	
Hardware		13.2				2.7		1.1												17.0
Engineering Support		2.5				0.2		0.1												2.8
Integrated Logistical Support		0.6				0.1		0.1												0.8
Fielding		0.3																		0.3
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		16.6		0.0		3.0		1.3		0.0		0.0		0.0		0.0		0.0		20.9

INDIVIDUAL MODIFICATION

Date: February 2010

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

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

DESCRIPTION / JUSTIFICATION:

The M249 Machine Gun (MG) 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. Starting in FY09, all new buttstock procurements will be the new improved lightweight collapsible buttstock. 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

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		

METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 10 months
Contract Dates: FY 2010 - Mar 10 FY 2011 - Mar 11 FY 2012 - Mar 12
Delivery Dates: FY 2010 - Dec 10 FY 2011 - Dec 11 FY 2012 - Dec 12

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
Procurement																				
Quantity (Various Components)	116645		34986		44800		13400		12000		12000		11000		11000				255831	
Hardware		34.3		9.0		16.7		1.7		0.9		1.0		0.9		0.9				65.4
Engineering Support		2.5		0.9		0.4		0.6		0.2		0.1		0.1		0.1				4.9
Integrated Logistical Support		0.4		0.1		0.1		0.1												0.7
Fielding		0.2																		0.2
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		37.4		10.0		17.2		2.4		1.1		1.1		1.0		1.0		0.0		71.2

INDIVIDUAL MODIFICATION

Date: February 2010

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 incorporates 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 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

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		

METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 4 months
 Contract Dates: FY 2010 - Mar 10 FY 2011 - Mar 11 FY 2012 - Mar 12
 Delivery Dates: FY 2010 - Jun 10 FY 2011 - Jun 11 FY 2012 - Jun 12

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
Procurement																				
Quantity	16439				3800		700		1400		1400		700		850				25289	
Hardware		21.6				4.9		0.9		1.8		1.8		1.0		1.2				33.2
Engineering Support		1.7		0.2		0.5		0.2		0.4		0.4		0.1		0.2				3.7
Testing		0.1																		0.1
Integrated Logistical Support		0.2				0.1		0.1		0.1		0.1		0.1		0.1				0.8
Fielding		0.2																		0.2
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		23.8		0.2		5.5		1.2		2.3		2.3		1.2		1.5		0.0		38.0

INDIVIDUAL MODIFICATION

Date: February 2010

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

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

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		

METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 10 months
 Contract Dates: FY 2010 - Mar 10 FY 2011 - Mar 11 FY 2012 - Mar 12
 Delivery Dates: FY 2010 - Dec 10 FY 2011 - Dec 12 FY 2012 - Dec 12

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
Procurement																				
Quantity	117364		10850		60500		21000		26000		26500		54000		40000				356214	
Hardware		6.1		0.8		2.9		0.9		1.4		1.4		2.7		2.4				18.6
Engineering Support		1.0		0.1		0.1		0.1		0.2		0.2		0.2		0.2				2.1
Integrated Logistical Support		0.1																		0.1
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		7.2		0.9		3.0		1.0		1.6		1.6		2.9		2.6		0.0		20.8

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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 MODS (GZ1300)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:								
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	82.6	17.1	22.7	15.9	15.8	6.7	4.7	4.6		170.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	82.6	17.1	22.7	15.9	15.8	6.7	4.7	4.6		170.0
Initial Spares										
Total Proc Cost	82.6	17.1	22.7	15.9	15.8	6.7	4.7	4.6		170.0
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown										
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015		
Active	Qty	0	0	0	0	0	0	0		0
	Gross Cost	14254.0	21507.0	15852.0	15759.0	6743.0	4680.0	4643.0		
National Guard	Qty	0	0	0	0	0	0	0		0
	Gross Cost	2005.0	808.0	0.0	0.0	0.0	0.0	0.0		0.0
Reserve	Qty	0	0	0	0	0	0	0		0
	Gross Cost	807.0	394.0	0.0	0.0	0.0	0.0	0.0		0.0
Total	Qty	0	0	0	0	0	0	0		0
	Gross Cost	17066	22709	15852	15759	6743	4680	4643		

Description:
The M240B Medium Machine Gun is an infantry version of the M240 Armored Machine Gun used to replace the M60 Series Machine Gun in Light Infantry, Mechanized Infantry, Armor, Rangers, Special Forces, and select Combat Engineer units. Since the initial fielding of the M240B, various system enhancements have been identified that further improves the use of this weapon system by increasing functionality and performance capabilities, while improving training capability. These include adopting a forward rail system to mount ancillary sighting/night vision equipment, an accessory ammunition pouch, a spare barrel bag to transport and store overheated barrels, and an improved Light Weight Ground Mount. Additional enhancements include improved bipod, sling, short barrel, combat ammo pack, improved hydraulic buffer, and collapsible buttstock.

Justification:
FY11 Base procurement dollars in the amount of \$15.852 million supports the Army by purchasing system enhancements for the M240B Medium Machine Gun Weapon System. 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, improved hydraulic buffers, and combat ammo packs.

Exhibit P-40M, Budget Item Justification Sheet	Date: February 2010
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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 MODS (GZ1300)
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Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TC	Total
M240B System Improvements											
TBD1	Operational	21.5	11.8	22.7	15.9	15.8	6.7	4.7	4.6	0.0	103.7
M192 Light Weight Ground Mount											
TBD2	Operation	44.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.1
Closed Mods											
NA		16.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2
Totals		82.5	17.1	22.7	15.9	15.8	6.7	4.7	4.6	0.0	170.0

INDIVIDUAL MODIFICATION

Date: February 2010

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

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		

METHOD OF IMPLEMENTATION: Field Applications ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 8 months
 Contract Dates: FY 2010 - 31 Mar 10 FY 2011 - 31 Mar 11 FY 2012 - 31 Mar 12
 Delivery Dates: FY 2010 - 30 Oct 10 FY 2011 - 31 Dec 11 FY 2012 - 31 Dec 12

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
Procurement																				
Quantity	103549		56654		47050		33175		34300		18000		12120		10540				315388	
Hardware		20.2		11.3		22.1		15.1		14.7		6.4		4.4		4.4				98.6
Engineering Support		0.7		0.3		0.3		0.3		0.3		0.1		0.1		0.1				2.2
Integrated Logistical Support		0.2		0.1		0.1		0.1		0.2				0.1						0.8
Fielding		0.4		0.1		0.2		0.4		0.6		0.2		0.1		0.1				2.1
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		21.5		11.8		22.7		15.9		15.8		6.7		4.7		4.6		0.0		103.7

INDIVIDUAL MODIFICATION

Date: February 2010

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

MODELS OF SYSTEM AFFECTED:

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

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

Installation Schedule

Pr Yr Totals	FY 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				

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		

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: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
Procurement																				
M192 Ground Mount	48356	40.3	4327	5.0															52683	45.3
M192 Gound Mount-GTA	1000	1.2																	1000	1.2
Engineering Support		2.1		0.2																2.3
Testing		0.2																		0.2
Inategrated Logistical Support		0.4																		0.4
Fielding		0.4		0.1																0.5
New Equipment Training		0.2																		0.2
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		44.8		5.3		0.0		0.0		0.0		0.0		0.0		0.0		0.0		50.1

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	36.0	1.0	46.5	61.3	38.8	38.7	44.7	27.7		294.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	36.0	1.0	46.5	61.3	38.8	38.7	44.7	27.7		294.6
Initial Spares										
Total Proc Cost	36.0	1.0	46.5	61.3	38.8	38.7	44.7	27.7		294.6
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown

Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Active	Qty	0	0	0	0	0	0	0
	Gross Cost	961.0	39569.0	49394.0	24830.0	22748.0	24734.0	19701.0
National Guard	Qty	0	0	0	0	0	0	0
	Gross Cost	0.0	6909.0	11916.0	13972.0	15969.0	19953.0	7976.0
Reserve	Qty	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0
	Gross Cost	961	46478	61310	38802	38717	44687	27677

Description:
 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.

Justification:
 FY11 Base procurement dollars, in the amount of \$39.810 million, support procurement of 150 Digitization Modification Kits.
 FY11 OCO procurement dollars, in the amount of \$21.500 million, support modernization of 85 M119 Howitzers to stay with current technologies.

Exhibit P-40M, Budget Item Justification Sheet	Date: February 2010
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M119 MODIFICATIONS (GC0401)
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Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TC	Total
M119 Modifications											
0-00-00-0000	Operational	1.8	1.0	21.3	21.5	0.0	0.0	0.0	0.0	0.0	45.5
LASIP											
0-00-00-0000		34.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.2
Digitization											
0-00-00-0000	Operational	0.0	0.0	25.3	39.8	38.9	38.7	44.7	27.8	0.0	215.2
Totals		36.0	1.0	46.6	61.3	38.9	38.7	44.7	27.8	0.0	294.9

INDIVIDUAL MODIFICATION

Date: February 2010

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 continuous high elevation, high zone operation.

FY11 OCO funding in the amount of \$21.500 million will procure 85 modernization kits of M119 current baseline for digitization to enhance unit readiness and force protection for units that deploy to Operation Enduring Freedom (OEF) and Operation Iraqi Freedom (OIF).

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
		197	198				85				85									
		119	119	157				85				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					
																				565
																				565

METHOD OF IMPLEMENTATION: US GOVERNMENT ADMINISTRATIVE LEADTIME: 7 months PRODUCTION LEADTIME: 3 months

Contract Dates: FY 2010 - April 2010 FY 2011 - April 2011 FY 2012 - April 2012

Delivery Dates: FY 2010 - July 2010 FY 2011 - July 2011 FY 2012 - July 2012

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
Procurement																				
M119 Modifications	253	1.8	142	1.0	85	21.3	85	21.5											565	45.5
Installation of Hardware																				
FY 2008 equip - Kits			253																253	
FY 2009 equip - Kits			142																142	
FY 2010 equip - Kits					85		85												170	
FY 2011 equip - Kits																				
Total Installment	0	0.0	395	0.0	85	0.0	85	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	565	0.0
Total Procurement Cost		1.8		1.0		21.3		21.5		0.0		0.0		0.0		0.0		0.0		45.5

INDIVIDUAL MODIFICATION

Date: February 2010

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.

Application will occur in Battalion sets of 17 each over a two-month period.

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
																37	40	40	41	42
																17	34	34	34	34
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				
47	51	51	51	47	51	51	51	47	51	51	51	42					842			
51	51	51	51	51	51	51	51	51	51	51	51	51	26				842			

METHOD OF IMPLEMENTATION: Depot Team ADMINISTRATIVE LEADTIME: 1 months PRODUCTION LEADTIME: 24 months
 Contract Dates: FY 2010 - Oct 2010 FY 2011 - Oct 2010 FY 2012 - Oct 2011
 Delivery Dates: FY 2010 - Oct 2012 FY 2011 - Oct 2013 FY 2012 - Oct 2014

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
Procurement																				
Integration Prod/Init Spares					50	23.5	150	37.0	200	36.1	200	36.0	200	37.1	42	23.0			842	192.7
Logistics & Fielding						0.8		1.2		1.2		1.2		2.2		1.4				8.0
System Eng & Progam Mgn						1.0		1.6		1.6		1.5		0.9		0.6				7.2
System Refresh													4.5		2.8					7.3
Installation of Hardware																				
FY 2010 Equip -- Kits									17		33									50
FY 2011 Equip -- Kits											103		47							150
FY 2012 Equip -- Kits													157		43					200
FY 2013 Equip -- Kits															161					161
FY 2014 Equip -- Kits																				
FY 2015 Equip -- Kits																		281		281
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	17	0.0	136	0.0	204	0.0	204	0.0	281	0.0	842	0.0
Total Procurement Cost		0.0		0.0		25.3		39.8		38.9		38.7		44.7		27.8		0.0		215.2

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	138.7	1.2	4.2	3.9	3.5	3.3	3.3	3.3		161.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	138.7	1.2	4.2	3.9	3.5	3.3	3.3	3.3		161.2
Initial Spares										
Total Proc Cost	138.7	1.2	4.2	3.9	3.5	3.3	3.3	3.3		161.2
Flyaway U/C										
Weapon System Proc U/C										

P-40 Breakdown									
Area		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	
Active	Qty	0	0	0	0	0	0	0	0
	Gross Cost	1175.0	3734.0	3561.0	3383.0	3274.0	3260.0	3251.0	
National Guard	Qty	0	0	0	0	0	0	0	0
	Gross Cost	3.0	101.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0
	Gross Cost	0.0	338.0	294.0	101.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0
	Gross Cost	1178	4173	3855	3484	3274	3260	3251	

Description:
 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. In FY2011, a New Start will be initiated to procure Collapsible Buttstocks.

Justification:
 FY11 Base procurement dollars in the amount of \$3.855 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.

Exhibit P-40M, Budget Item Justification Sheet	Date: February 2010
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M16 RIFLE MODS (GZ2800)
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Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TC	Total
Combat Optics											
TBD1	Operational	7.2	0.0	3.3	2.9	2.0	2.0	2.0	2.0	0.0	21.4
Close Quarters Battle Kit											
TBD2	Operational	1.6	1.2	0.9	0.9	0.9	0.9	0.9	0.9	0.0	8.2
Collapsible Buttstock											
TBD3	Operational	0.0	0.0	0.0	0.1	0.6	0.4	0.4	0.4	0.0	1.9
Closed Mods											
TBD4	Operational	129.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	129.9
Totals		138.7	1.2	4.2	3.9	3.5	3.3	3.3	3.3	0.0	161.4

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Combat Optics [MOD 1] TBD1

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

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

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		

METHOD OF IMPLEMENTATION: Installed by troops **ADMINISTRATIVE LEADTIME:** 3 months **PRODUCTION LEADTIME:** 2 months
 Contract Dates: FY 2010 - Jan 10 FY 2011 - Jan 11 FY 2012 - Jan 12
 Delivery Dates: FY 2010 - Feb 10 FY 2011 - Feb 11 FY 2012 - Feb 12

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RD&E																				
Procurement																				
Quantity	9405				5081		3846		2037		1977		1920		1864				26130	
Hardware		6.4			3.0		2.7		1.8		1.8		1.8		1.8					19.3
Engineering Support		0.6			0.1		0.1		0.1		0.1		0.1		0.1					1.2
Integrated Logistical Support		0.1			0.1		0.1		0.1		0.1		0.1		0.1					0.7
Total Package Fielding		0.1			0.1															0.2
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		7.2		0.0		3.3		2.9		2.0		2.0		2.0		2.0		0.0		21.4

INDIVIDUAL MODIFICATION

Date: February 2010

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

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: Forward Grip 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

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		

METHOD OF IMPLEMENTATION: Installed by troops ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 2 months
 Contract Dates: FY 2010 - Jan 10 FY 2011 - Jan 11 FY 2012 - Jan 12
 Delivery Dates: FY 2010 - Feb 10 FY 2011 - Feb 11 FY 2012 - Feb 12

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RD&E																					
Procurement																					
Kit Quantity /Hardware	35886	0.8	45552	1.2	2834	0.8	2699	0.8	2630	0.8	2573	0.8	2497	0.8	2425	0.8				97096	6.8
Engineering Support		0.6				0.1		0.1		0.1		0.1		0.1		0.1					1.2
Integrated Logistic Support		0.1																			0.1
Fielding		0.1																			0.1
Installation of Hardware																					
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
Total Procurement Cost		1.6		1.2		0.9		0.9		0.9		0.9		0.9		0.9		0.0		8.2	

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Collapsible Buttstock [MOD 3] TBD3

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

The Collapsible Buttstock provides Combat and Training units a shorter rifle for close quarter battle and vehicle egress; better eye relief and access to weapon controls for shorter reach Soldiers wearing body armor; and allows return of M16 to normal length.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Production Contract Award 1Q11
First Unit Equip 2Q11

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

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		

METHOD OF IMPLEMENTATION: Installed by troops ADMINISTRATIVE LEADTIME: 2 months PRODUCTION LEADTIME: 2 months
 Contract Dates: FY 2010 - FY 2011 - Dec 10 FY 2012 - Dec 11
 Delivery Dates: FY 2010 - FY 2011 - Jan 11 FY 2012 - Jan 12

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): Collapsible Buttstock [MOD 3] TBD3

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Hardware							400	0.1	1900	0.5	1000	0.3	1000	0.3	1000	0.3				5300	1.5
Engineering Support										0.1		0.1		0.1		0.1					0.4
Installation of Hardware																					
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
Total Procurement Cost		0.0		0.0		0.0		0.1		0.6		0.4		0.4		0.4		0.0		1.9	

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	11.0	1.9	5.8							18.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	11.0	1.9	5.8							18.7
Initial Spares										
Total Proc Cost	11.0	1.9	5.8							18.7
Flyaway U/C										
Weapon System Proc U/C										

Description:
 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.

Justification:
 The FY10 column above reflects the appropriated amounts for the FY10 base and Overseas Contingency Operations only. It does not include \$3.000 million required to support the build-up of forces in Afghanistan which will be requested in a separate submission.

FY11: No funds requested.

Exhibit P-40M, Budget Item Justification Sheet	Date: February 2010
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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)
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Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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Description		Fiscal Years									
OSIP No.	Classification	Prior Yrs.	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TC	Total
EBR Kit											
TBD	Operational	11.0	1.9	5.8	0.0	0.0	0.0	0.0	0.0	0.0	18.7
Totals		11.0	1.9	5.8	0.0	0.0	0.0	0.0	0.0	0.0	18.7

INDIVIDUAL MODIFICATION

Date: February 2010

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 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
1434	766	765	358	604	644	229	200													
779	585	766	765	358	604	644	264	235												

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		
																	5000
																	5000

METHOD OF IMPLEMENTATION: TACOM, Rock ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 4 months

Island

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

Delivery Dates: FY 2010 - Apr 10 FY 2011 - FY 2012 -

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement	3574		351		1075															5000	
Hardware		11.0		1.3		5.5															17.8
Fielding/Training				0.6		0.3															0.9
Installation of Hardware																					
FY 2008 & Prior Equip -- Kits	779		2474		321															3574	
FY 2009 -- Kits					351															351	
FY 2010 Equip -- Kits					1075															1075	
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	779	0.0	2474	0.0	1747	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5000	0.0	
Total Procurement Cost		11.0		1.9		5.8		0.0		0.0		0.0		0.0		0.0		0.0		18.7	

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	171.0	3.8	8.5	6.1	3.0	3.0	3.1	3.1		201.5
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	171.0	3.8	8.5	6.1	3.0	3.0	3.1	3.1		201.5
Initial Spares										
Total Proc Cost	171.0	3.8	8.5	6.1	3.0	3.0	3.1	3.1		201.5
Flyaway U/C										
Weapon System Proc U/C										

Description:

This program procures modifications of small arms with a cost less than \$5.000 million to support initial buys or to meet urgent needs. It includes the procurement of the M150 Rifle Combat Optic and the M145 Machine Gun Optic. The M150 Rifle Combat Optic provides a scope that provides improved capability to recognize and engage targets from 300 to 600 meters, with a ranging reticle that can be used to get an accurate range to the target. 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 provides the Soldier with a greater hit probability. This program also provides other ancillary equipment, such as the M3 Tripod and M205 Lightweight Tripod for dismounted machine guns, and sniper accessories and components for the M1110 Semi-Automatic Sniper Rifle (SASS), M24 Sniper Weapon System (SWS), and the M107 Semi-Automatic Long Range Sniper Rifle (LRSR).

Justification:

FY11 Base procurement dollars in the amount of \$6.083 million supports the Army by purchasing 4,667 M150 Rifle Combat Optics for the M4 Carbine, M16A2 and M16A4 Assault Rifles, and the M249 Squad Automatic Weapon systems, 100 M205 Lightweight Tripods for the M2 and MK19 Machine Guns, and kits, components and accessories for the sniper weapon systems. The M150 optic sight will provide the Soldier an improved capability to identify and engage targets more effectively than the existing iron sighting system, while maintaining the Soldier's ability to conduct reflexive fire and transition rapidly between long-range and close quarters engagements. The M205 tripod supports the M2 and MK19 Machine Guns in the dismounted role, reduces the Soldier's weight burden, and provides an enhanced integrated traverse and elevation mechanism for quicker, more accurate target engagement. Sniper components and accessories provide improved bipods and monopods, buttstocks, ranging reticles, electronic fire control systems, suppressors, improved barrels, improved optics and boresighting kits, and sniper accessory kits for the M1110 Semi-Automatic Sniper Rifle (SASS), M24 Sniper Weapon System (SWS), and the M107 Semi-Automatic Long Range Sniper Rifle (LRSR). These modifications provide the Soldier in the sniper role with enhanced target identification and acquisition, improved accuracy, lethality and reliability.

Exhibit P-40M, Budget Item Justification Sheet											Date: February 2010	
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)						
Appropriation / Budget Activity / Serial No:						P-1 Item Nomenclature						
Program Elements for Code B Items:							Code:		Other Related Program Elements:			
Description		Fiscal Years										
OSIP No.	Classification	Prior Yrs.	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TC	Total	
M150 Rifle Combat Optic (RCO)												
TBD1	Operational	0.0	0.0	7.9	4.5	2.0	2.0	2.1	2.1	0.0	20.6	
Sniper Components and Accessories												
TBD2	Operational	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	5.0	
M145 Machine Gun Optic												
TBD3	Operational	23.6	3.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	28.0	
Tripods												
TBD4	Operational	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6	
Closed Mods												
TBD5		147.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	147.4	
Totals		171.0	3.8	8.5	6.1	3.0	3.0	3.1	3.1	0.0	201.6	

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: M150 Rifle Combat Optic (RCO) [MOD 1] TBD1

MODELS OF SYSTEM AFFECTED: M4 Carbine, M16A2, M16A4, M249 Squad Automatic Weapon (SAW)

DESCRIPTION / JUSTIFICATION:
 The M150 Rifle Combat Optic (RCO) provides improved capability to recognize and engage targets at ranges from 300 to 600 meters with the M4, M16A2 and M16A4, and the M249 Squad Automatic Weapon. The optic does not degrade the Soldier's ability to conduct reflexive fire techniques and allows the Soldier to transition rapidly between long range and close quarters engagements.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):
 Milestone B/Developmental/Operational Testing 2Q07 (Actual)
 Milestone C/Type Classification (Standard) 3Q08 (Actual)
 First Unit Equipped 4Q08 (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

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		

METHOD OF IMPLEMENTATION: Troop Installation ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 4 months
 Contract Dates: FY 2010 - Mar 10 FY 2011 - Jan 11 FY 2012 - Jan 12
 Delivery Dates: FY 2010 - Jun 10 FY 2011 - Apr 11 FY 2012 - Apr 12

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): M150 Rifle Combat Optic (RCO) [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Quantity					8533		4667		1925		1870		1923		1865				20783	
Hardware						7.1		4.0		1.7		1.7		1.8		1.8				18.1
Engineering Support						0.3		0.2		0.1		0.1		0.1		0.1				0.9
Testing						0.1		0.1												0.2
Integrated Logistical Support						0.2		0.1		0.1		0.1		0.1		0.1				0.7
Fielding						0.2		0.1		0.1		0.1		0.1		0.1				0.7
Installation of Hardware																				
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		0.0		7.9		4.5		2.0		2.0		2.1		2.1		0.0		20.6

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Sniper Components and Accessories [MOD 2] TBD2

MODELS OF SYSTEM AFFECTED: M1110 Sniper Rifle, M24 Sniper rifle, M107 Long Range Sniper Rifle

DESCRIPTION / JUSTIFICATION:
 Sniper components and accessories provide modifications and optics for the M1110 Semi-Automatic Sniper Rifle (SASS), M24 Sniper Weapon System (SWS), and the M107 Semi-Automatic Long Range Sniper Rifle (LRSR). Modifications and components include improved bipods and monopods, buttstocks, ranging reticles, electronic fire control systems, suppressors, improved barrels, improved optics and boresighting kits, and sniper accessory kits. These modifications provide the Soldier with improved accuracy, lethality and reliability.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Evaluation and Down-select 2Q11 (Plan)
 Production Contract Award 3Q11 (Plan)
 First Unit Equipped 1Q12 (Plan)

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

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		

METHOD OF IMPLEMENTATION: Troop Installation ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 4 months
 Contract Dates: FY 2010 - FY 2011 - Apr 11 FY 2012 - Jan 12
 Delivery Dates: FY 2010 - FY 2011 - Jul 11 FY 2012 - Apr 12

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): Sniper Components and Accessories [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Quantity							1226		1190		1156		1121		1089					5782	
Hardware								0.6	0.6		0.6		0.6		0.6						3.0
Engineering Support								0.1	0.1		0.1		0.1		0.1						0.5
Testing								0.1	0.1		0.1		0.1		0.1						0.5
Integrated Logisitical Support								0.1	0.1		0.1		0.1		0.1						0.5
Fielding								0.1	0.1		0.1		0.1		0.1						0.5
Installation of Hardware																					
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Procurement Cost		0.0		0.0		0.0		1.0		1.0		1.0		1.0		1.0				0.0	5.0

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: M145 Machine Gun Optic [MOD 3] TBD3

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

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		

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

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE (cont): M145 Machine Gun Optic [MOD 3] TBD3

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Quantity	31928		5421																	37349	
Hardware		19.6		3.6																	23.2
Engineering Support		2.9		0.2		0.1		0.1													3.3
Testing		0.7																			0.7
Integrated Logistical Support		0.2				0.1		0.1													0.4
Fielding		0.2				0.1		0.1													0.4
Installation of Hardware																					
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
Total Procurement Cost		23.6		3.8		0.3		0.3		0.0		0.0		0.0		0.0		0.0		28.0	

INDIVIDUAL MODIFICATION

Date: February 2010

MODIFICATION TITLE: Tripods [MOD 4] TBD4

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

DESCRIPTION / JUSTIFICATION:

The M205 Lightweight Tripod supports the M2 and MK19 Machine Guns in the dismounted role. The M205 Tripod reduces the Soldier's weight burden (the current .50 caliber machine gun tripod (M3) weighs 44 pounds), and provides enhanced integrated traverse and elevation mechanism for quicker, more accurate target engagement.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Developmental/Operational Test Dec 09 (Actual)
 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

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		

METHOD OF IMPLEMENTATION:

Field Application

ADMINISTRATIVE LEADTIME:

11 months

PRODUCTION LEADTIME:

6 months

Contract Dates:

FY 2010 - Sep 10

FY 2011 - Sep 11

FY 2012 -

Delivery Dates:

FY 2010 - Feb 11

FY 2011 - Feb 12

FY 2012 -

INDIVIDUAL MODIFICATION

Date: February 2010

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

FINANCIAL PLAN: (\$ in Millions)

	Prior Yrs.		2009		2010		2011		2012		2013		2014		2015		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Quantity Tripod					100		100													200	
M205 Tripod						0.2		0.2													0.4
Engineering, ILS, TPF Support						0.1		0.1													0.2
Installation of Hardware																					
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
Total Procurement Cost		0.0		0.0		0.3		0.3		0.0		0.0		0.0		0.0		0.0		0.6	

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	104.6	12.4	5.5							122.5
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	104.6	12.4	5.5							122.5
Initial Spares										
Total Proc Cost	104.6	12.4	5.5							122.5
Flyaway U/C										
Weapon System Proc U/C										

Description:

Provides for procurement of small arms, auxiliary weapon mounts, mounting platforms, and adaptors. Small arms procured under this budget activity consist of shotguns, grenade launchers, 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 operational need statement from Operation Enduring Freedom, MK48 Machine Guns were procured in FY09.

Justification:

FY11: No funds requested.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	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	1891	3110	0.6	4500	7185	0.6			
2.M3 Tripod	A				531	759	0.7			
3.XM205 Lightweight Tripod (New Start)	A				260	75	3.5			
4.M24 Sniper Rifle	A	3200	534	6.0						
5.MK48 Machine Gun	B	5000	501	10.0						
6.MK48 Spare Parts		1600	2050	0.8						
7.Engineering Support		341			129					
8.Integrated Logistic Support		341			129					
Total:		12373			5549					

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2010

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
1.M9 Pistols											
FY 2008	Beretta U.S.A. Corp. Accokeek, MD	Option	TACOM, Rock Island, IL	Dec 07	Jan 08	17923	0.6				
FY 2009	TBS	C/FFP	TACOM, Rock Island, IL	Jun 10	Aug 10	3110	0.6				
FY 2010	TBS TBS	C/FFP	TACOM, Rock Island, IL	Jun 10	Aug 10	7185	0.6	Yes			
2.M3 Tripod											
FY 2010	Fraser Mfg Corp Lexington, MI	Option	TACOM, Rock Island, IL	Mar 10	May 10	759	0.7	Yes			
3.XM205 Lightweight Tripod (New Start)											
FY 2010	TBS TBS	C/FFP	TACOM, Rock Island, IL	Aug 10	Sep 10	75	3.5	Yes			
4.M24 Sniper Rifle											
FY 2009	TBS TBS	C/FFP	JM&L LCMC, Picatinny, NJ	Mar 10	May 10	534	6.0				
5.MK48 Machine Gun											
FY 2009	FNI Columbia, SC	Option	Navy SCA, Crane, IN	Jun 09	Aug 09	501	10.0				

REMARKS:

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)										Date: February 2010												
COST ELEMENTS						Fiscal Year 09										Fiscal Year 10																
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09										Calendar Year 10										Later						
						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.M9 Pistols																																
1	FY 08	A	17923	4548	13375	2900				2337	2163	2163	1163	663	662	662	662											0				
1	FY 08	AF	3156	0	3156											692	1553	527	384									0				
1	FY 08	FMS	12815	366	12449					98	470	200	200	300			288	431	811	754	815	816	663	663	663	663	663	3288				
1	FY 08	NA	4300	500	3800						750	750	750	750	750	50											0					
2	FY 09	A	3110	0	3110																				A		519	519	2072			
2	FY 10	A	7185	0	7185																				A		719	719	5747			
2.M3 Tripod																																
3	FY 10	A	759	0	759																				A		180	180	180	110	109	0
3.XM205 Lightweight Tripod (New Start)																																
4	FY 10	A	75	0	75																								A	75	0	
4.M24 Sniper Rifle																																
6	FY 09	A	534	0	534																				A		100	100	111	111	112	0
5.MK48 Machine Gun																																
5	FY 09	A	501	0	501										A		100	200	125	76											0	
Total																																
						44944	2900			2337	2163	2261	2383	1613	1612	1712	2204	1803	940	891	811	754	815	816	663	943	943	954	2122	2197	11107	
						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	Beretta U.S.A. Corp., Accokeek, MD	1360	8280	34800	6	1	Initial	1	3	7	10	
						2	Reorder	2	3	4	7	
2	TBS, TBS	1360	8280	34800		2	Initial	1	3	7	10	
						2	Reorder	2	3	4	7	
3	Fraser Mfg Corp, Lexington, MI	100	200	7200	2		Initial					
						3	Reorder	2	3	3	6	
4	TBS, TBS	150	400	4800		3	Initial	2	3	3	6	
						4	Reorder	2	3	3	6	
5	FNI, Columbia, SC	50	200	3500	6		Initial					
						4	Reorder	2	10	2	12	
						5	Initial	3	8	3	11	
						5	Reorder	3	8	3	11	

FY 11 / 12 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)										Date: February 2010								
COST ELEMENTS					Fiscal Year 11										Fiscal Year 12										Later			
MFR	FY	SERV	PROC QTY Units	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
1.M9 Pistols																												
1	FY 08	A	17923	17923																							0	
1	FY 08	AF	3156	3156																							0	
1	FY 08	FMS	12815	9527	3288	663	663	663	663	636																	0	
1	FY 08	NA	4300	4300																							0	
2	FY 09	A	3110	1038	2072	518	518	518	518																		0	
2	FY 10	A	7185	1438	5747	719	719	719	719	718	718	718	717														0	
2.M3 Tripod																												
3	FY 10	A	759	759																							0	
3.XM205 Lightweight Tripod (New Start)																												
4	FY 10	A	75	75																							0	
4.M24 Sniper Rifle																												
6	FY 09	A	534	534																							0	
5.MK48 Machine Gun																												
5	FY 09	A	501	501																							0	
Total																												
				11107	1900	1900	1900	1900	1354	718	718	717																
					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	Beretta U.S.A. Corp., Accokeek, MD	1360	8280	34800	6	1	3	7	10		
						2	3	4	7		
2	TBS, TBS	1360	8280	34800		2	3	7	10		
						2	3	4	7		
3	Fraser Mfg Corp, Lexington, MI	100	200	7200	2	3	3	3	6		
						2	3	3	6		
4	TBS, TBS	150	400	4800		4	10	2	12		
						2	10	2	12		
5	FNI, Columbia, SC	50	200	3500	6	5	8	3	11		
						3	8	3	11		
6	TBS, TBS	150	400	4800		4	10	2	12		
						2	10	2	12		
						5	8	3	11		
						3	8	3	11		

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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)
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Program Elements for Code B Items:		Code:		Other Related Program Elements:						
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	362.6	26.9	23.8	7.9	10.1	10.0	10.0	10.1		461.4
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	362.6	26.9	23.8	7.9	10.1	10.0	10.0	10.1		461.4
Initial Spares										
Total Proc Cost	362.6	26.9	23.8	7.9	10.1	10.0	10.0	10.1		461.4
Flyaway U/C										
Weapon System Proc U/C										

Description:
This program provides funding to establish, modernize, expand or replace Army-owned industrial facilities and equipment used in production and production testing of Weapons and Tracked Combat Vehicles and their components. The program also provides for the preserving, storing and disposing for facilities and equipment that are either not required for current active production or are not needed by the Army. Provisioning of Industrial Facilities (PIF) occurs at Aberdeen Test Center, MD; White Sands Missile Range, NM; 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.

Justification:
FY11 Base procurement funds provide 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, upgrade or replacement of government-owned equipment used in the production of gun barrels for small caliber weapons such as the MK19 Grenade Machine Gun, 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 Overseas Contingency Operations (OCO). Also, the establishment of new technology and modern equipment to produce and fabricate new materials and alloys, such as composites and titanium, at Rock Island Arsenal, is critical in enabling the Army to support OCO by meeting both small arms and medium caliber weapon requirements and combat, combat service support, and combat support vehicles and their components requirements. Benefits of this effort include the ability to maintain lower unit costs for production items and the introduction of lightweight, high-wear components. The Layaway of Industrial Facilities effort at all facilities preserves the Army's abilities to respond to increases in production capabilities while keeping active production costs down. The effort allows the Army to excess equipment no longer needed. Economies are derived from this effort that benefit the entire Army. Production of small to large caliber weapons systems at Rock Island Arsenal (RIA) - equipment request supports current and new manufacturing capabilities such as small arms spare parts and gages (e.g. 50-caliber M2 Machine Gun, MK19, M4/16 Rifle) larger manufacturing capabilities (miscellaneous armor, spares M119 spares and gun carriages) and the introduction of new technology and modern equipment to produce and fabricate new material and alloys, such as composites and titanium. For example, the Small Arms repair parts manufacturing focus factory requires high volume (parts count-wise) and a smaller work envelope than current machines allow. 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. At Watervliet Arsenal (WVA), efforts will be made to replace machine equipment to obtain new state-of-the-art equipment. Service support and spare parts from the original equipment manufacturer for the existing equipment are non-existent. Mechanically, machines are becoming severely worn. Tolerances are difficult to maintain. The goal in replacing this equipment is to process cannon components to meet current and future production needs of cannon. Failure to maintain this capability will result in WVA losing or severely limiting its ability to produce individual cannon components required of cannon production. Replacing the equipment will keep WVA technologically current and provide the added ability and flexibility to address new cannon configurations and designs. With replacement equipment new sources of service support and spare parts will be readily available. This will ensure flexible response to the

Exhibit P-40, Budget Item Justification Sheet	Date:
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February 2010

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)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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Army's changing needs.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: PRODUCTION BASE SUPPORT (WOCV-WTCV) (GC0050)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	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		4396			9314			7335		
LIF		22478			14467			534		
Total:		26874			23781			7869		

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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

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

	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	287.4	4.4	9.3	7.3	9.6	9.5	9.4	9.5		346.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	287.4	4.4	9.3	7.3	9.6	9.5	9.4	9.5		346.3
Initial Spares										
Total Proc Cost	287.4	4.4	9.3	7.3	9.6	9.5	9.4	9.5		346.3
Flyaway U/C										
Weapon System Proc U/C										

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. It will be used to repair, upgrade or replace current machine equipment and to establish new technology and modern equipment to produce and fabricate new materials and alloys, such as titanium and composites at Rock Island Arsenal. Similarly, it will be used to repair and upgrade current machine equipment or to replace it with modern equipment at Watervliet Arsenal.

Justification:
 ATEC: At ATC, FY11 funds procure upgraded laboratory test equipment that simulates extremely harsh vibration environments that prime movers experience in the field (used for reliability and durability tests); 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; replacement of antiquated mobile temperature conditioning units (cold chambers), and 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, FY11 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 no longer meets regulatory, customer and/or mission requirements) and replacement of the Cobalt-60 sources at the Gamma Range Facility (GRF) used in nuclear effects testing. At YPG, FY11 funds 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; 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 repair, upgrade or replacement of current machine equipment and the establishment of new technology and modern equipment to produce and fabricate new materials and alloys, such as titanium and composites at Rock Island Arsenal, is critical in enabling the army to meet OCO commitments by meeting both small arms and medium to large caliber weapon requirements and combat, combat service support, and combat support vehicles and their components requirements. The replacement of aging machine equipment at Watervliet Arsenal will maintain readiness by averting old equipment breakdowns and increase flexibility in the manufacturing process.

Exhibit P-40, Budget Item Justification Sheet	Date:
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February 2010

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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FY11 Base 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.

Exhibit P-40C, Budget Item Justification Sheet	Date: February 2010
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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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<u>Location</u>	<u>Project Title</u>	<u>Project</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>
<u>Production Support</u>					
GDLS	Hot & Cold Forge	U7668		422	405
Rock Island Arsenal - JMTC	Large Capacity Mills (Small Arms)	U7669		2110	1722
ATEC	ATEC	00000	4396	4671	3470
Watervliet Arsenal	Machine Equipment	U7670		2111	1738
	Subtotal - Production		4,396	9,314	7,335
 <u>Environmental</u>					
	Subtotal - Environmental		0	0	0
	Total Industrial Facilities		4,396	9,314	7,335

Exhibit P-25, Production Support and Industrial Facilities Cost Analysis (<i>Dollars in Thousands</i>)	1. Date: February 2010
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2. Project Title/Type Hot & Cold Forge	3. End Item Supported Model Not Applicable
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4. Project Number: U7668	5. Annual Capacity Before (1-8-5) N/A	6. Annual Capacity After (1-8-5): N/A
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Element of Cost	FY 09	FY 10	FY 11	H. Facility														
A. Construction Cost				1. Name: <u>GDLS</u>														
B. Equipment Cost* (Individual equipment cost should be specified for all equipment costing more than \$0.5 Million)				2. Location: <u>Saco, ME</u>														
1. Hot & Cold Forge		422	405	3. Type (GOGO, GOCO, COCO): <u>GOCO</u>														
2.				I. Related Projects														
3.				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Project Number</th> <th style="width:30%;">Title</th> <th style="width:10%;">FY & Appn</th> <th style="width:10%;">Value (\$ Mil)</th> <th style="width:10%;">Facing</th> <th style="width:10%;">Start Date</th> <th style="width:10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date												
Subtotal Costs		422	405															
C. Equipment Installation Cost																		
D. Contractor Support Cost																		
E. Corps of Engineers Support Cost																		
F. Other In-House Support Cost																		
Total Facility Project Cost		422	405															
G. Other Costs				J. Principal Milestones														
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>														

Narrative Explanation:

Exhibit P-25, Production Support and Industrial Facilities Cost Analysis (<i>Dollars in Thousands</i>)	1. Date: February 2010
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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 09	FY 10	FY 11	H. Facility														
A. Construction Cost				1. Name: <u>Rock Island Arsenal - JMTC</u>														
B. Equipment Cost* (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		2110	1722	3. Type (GOGO, GOCO, COCO): <u>GOGO</u>														
2.				I. Related Projects														
3.				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Project Number</th> <th style="width:30%;">Title</th> <th style="width:10%;">FY & Appn</th> <th style="width:10%;">Value (\$ Mil)</th> <th style="width:10%;">Facing</th> <th style="width:10%;">Start Date</th> <th style="width:10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date												
Subtotal Costs		2110	1722															
C. Equipment Installation Cost																		
D. Contractor Support Cost																		
E. Corps of Engineers Support Cost																		
F. Other In-House Support Cost																		
Total Facility Project Cost		2110	1722															
G. Other Costs				J. Principal Milestones														
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>														

Narrative Explanation:
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 (Dollars in Thousands)	1. Date: February 2010
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2. Project Title/Type ATEC	3. End Item Supported Model Not Applicable
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4. Project Number: 00000	5. Annual Capacity Before (1-8-5) N/A	6. Annual Capacity After (1-8-5): N/A
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Element of Cost	FY 09	FY 10	FY 11	H. Facility														
A. Construction Cost				1. Name: <u>ATEC</u>														
B. Equipment Cost* (Individual equipment cost should be specified for all equipment costing more than \$0.5 Million)				2. Location: <u>ATEC</u>														
1.	4396	4671	3470	3. Type (GOGO, GOCO, COCO): <u>-</u>														
2.				I. Related Projects														
3.																		
Subtotal Costs	4396	4671	3470	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Project Number</th> <th style="width:30%;">Title</th> <th style="width:10%;">FY & Appn</th> <th style="width:10%;">Value (\$ Mil)</th> <th style="width:10%;">Facing</th> <th style="width:10%;">Start Date</th> <th style="width:10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date												
C. Equipment Installation Cost																		
D. Contractor Support Cost																		
E. Corps of Engineers Support Cost																		
F. Other In-House Support Cost																		
Total Facility Project Cost	4396	4671	3470	J. Principal Milestones														
G. Other Costs																		
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>														

Narrative Explanation:

Exhibit P-25, Production Support and Industrial Facilities Cost Analysis (<i>Dollars in Thousands</i>)	1. Date: February 2010
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2. Project Title/Type Machine Equipment	3. End Item Supported Model Not Applicable
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4. Project Number: U7670	5. Annual Capacity Before (1-8-5) N/A	6. Annual Capacity After (1-8-5): N/A
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Element of Cost	FY 09	FY 10	FY 11	H. Facility														
A. Construction Cost				1. Name: <u>Watervliet Arsenal</u>														
B. Equipment Cost* (Individual equipment cost should be specified for all equipment costing more than \$0.5 Million)				2. Location: <u>Watervliet, NY</u>														
1. Machine Equipment		2111	1738	3. Type (GOGO, GOCO, COCO): <u>GOGO</u>														
2.				I. Related Projects														
3.				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Project Number</th> <th style="width:40%;">Title</th> <th style="width:10%;">FY & Appn</th> <th style="width:10%;">Value (\$ Mil)</th> <th style="width:10%;">Facing</th> <th style="width:10%;">Start Date</th> <th style="width:10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date												
Subtotal Costs		2111	1738															
C. Equipment Installation Cost																		
D. Contractor Support Cost																		
E. Corps of Engineers Support Cost																		
F. Other In-House Support Cost																		
Total Facility Project Cost		2111	1738															
G. Other Costs				J. Principal Milestones														
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>														

Narrative Explanation:

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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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)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	75.2	22.5	14.5	0.5	0.6	0.6	0.6	0.6		115.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	75.2	22.5	14.5	0.5	0.6	0.6	0.6	0.6		115.1
Initial Spares										
Total Proc Cost	75.2	22.5	14.5	0.5	0.6	0.6	0.6	0.6		115.1
Flyaway U/C										
Weapon System Proc U/C										

Description:
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 Arsenal. Efforts at Watervliet Arsenal will consist of excessing machines and performing plant restoration on required machine foundations, floors and vacated space.

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). 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.

Justification:
FY11 Base procurement funds support continued 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.

Exhibit P-40C, Budget Item Justification Sheet

Date:
February 2010

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 09</u>	<u>FY 10</u>	<u>FY 11</u>
Rock Island ArsenalRock Island, Illinois	Layaway of Industrial Facilities (LIF)	U7667	2.130		
Watervliet ArsenalWatervliet, New York	Layaway of Industrial Facilities (LIF)	U7667		0.510	0.534
Rock Island, Arsenal Rock Island, Illinois	Arsenal Support Program Initiative (ASPI)	A7667	15.363	7.577	
Watervliet ArsenalWatervliet, New York	Arsenal Support Program Initiative (ASPI)	A7667	4.985	6.380	
	Total		22.478	14.467	0.534

Exhibit P-17, Layaway and/or Distribution							Date: February 2010
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army/2/Weapons and other combat vehicles					P-1 Item Nomenclature LAYAWAY OF INDUSTRIAL FACILITIES (GC2100)		
Project: U7667	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
-	2.130						
Title: Layaway of Industrial Facilities (LIF) Description:							
Manufacturer (Name and Location) Rock Island Arsenal Rock Island, Illinois		Production Lines being laid away (Include Location) Areas in Building 208/212/220			Production Ends Continuous		
Layaway Cost: 0.827		Other Costs:			Annual Maintenance Cost:		
Project: U7667	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
-		0.510	0.534	0.556	0.572	0.597	0.621
Title: Layaway of Industrial Facilities (LIF) Description: FY2011 effort will excess twelve (12) machines, to include foundation fill-ins and floor restoration.							
Manufacturer (Name and Location) Watervliet Arsenal Watervliet, New York		Production Lines being laid away (Include Location) Areas in Building 20, 25, 35, 110, 135			Production Ends Continuous		
Layaway Cost:		Other Costs:			Annual Maintenance Cost:		
Project: A7667	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
-	15.363	7.577					
Title: Arsenal Support Program Initiative (ASPI) Description:							
Manufacturer (Name and Location) Rock Island, Arsenal Rock Island, Illinois		Production Lines being laid away (Include Location)			Production Ends		
Layaway Cost:		Other Costs:			Annual Maintenance Cost:		
Project: A7667	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
-	4.985	6.380					
Title: Arsenal Support Program Initiative (ASPI) Description:							
Manufacturer (Name and Location) Watervliet Arsenal Watervliet, New York		Production Lines being laid away (Include Location)			Production Ends		
Layaway Cost:		Other Costs:			Annual Maintenance Cost:		

Exhibit P-40, Budget Item Justification Sheet	Date: February 2010
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature INDUSTRIAL PREPAREDNESS (GC0075)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:								
	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	175.6	0.4	0.4	0.4	0.4	0.4	0.5	0.5		178.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	175.6	0.4	0.4	0.4	0.4	0.4	0.5	0.5		178.6
Initial Spares										
Total Proc Cost	175.6	0.4	0.4	0.4	0.4	0.4	0.5	0.5		178.6
Flyaway U/C										
Weapon System Proc U/C										

Description:
This program provides for the maintenance of laid away portions of active weapons production plants, and the storage, protection, and maintenance of laid away Government-owned equipment being stored on-site at Government-owned plants. The funding represents the storage costs for laid away production items from Watervliet Arsenal. The funds also pay for laid away machine tools, gauges, special measuring equipment, tooling and fixturing stored at Watervliet Arsenal. Program also includes the Arsenal Support Program Initiative (ASPI).

Justification:
FY11 funds provide for the maintenance of laid-away weapons production facilities to include utilities, buildings, non-severable equipment, plant equipment, special tooling, and special test equipment being retained as part of approved Army Reserve Plants, which are required to support future production and replenishment requirements. Funds are required to perform periodic inspection and maintenance of the laid away equipment to preclude this unique equipment from deteriorating and jeopardizing planned reactivation capabilities and timelines. Failure to maintain the equipment in a ready state risks significant delays in supporting essential warfighting materiel. This program also includes the appropriate allocation of recurring overhead costs associated with the laid away facilities and equipment such as roads and grounds maintenance, fire protection, plant security, and administrative support.

Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: INDUSTRIAL PREPAREDNESS (GC0075)	Weapon System Type:	Date: February 2010
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WTCV Cost Elements	ID	FY 09			FY 10			FY 11		
	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		394								
Watervliet Arsenal					391			409		
Arsenal Support Program Initiative(ASPI)										
Joint Mfg Tech Center (JMTC) Add										
Total:		394			391			409		

Exhibit P-26, Maintenance of Inactive Industrial Facilities			Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army/2/Weapons and other combat vehicles				Date: February 2010	
Inactive Lines at Active Plants		Facility: Rock Island Arsenal			Contractor: Not Applicable			
Funding	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	
MAINTENANCE	394							
RECURRING								
ENVIRONMENTAL								
OTHER								
Description:								
Inactive Lines at Active Plants		Facility: Watervliet Arsenal			Contractor: Not Applicable			
Funding	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	
MAINTENANCE		391	409	425	438	456	474	
RECURRING								
ENVIRONMENTAL								
OTHER								
Description: FY11 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.								

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	91.3	1.2	5.0	4.0	5.0	4.9	5.0	4.9		121.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	91.3	1.2	5.0	4.0	5.0	4.9	5.0	4.9		121.3
Initial Spares										
Total Proc Cost	91.3	1.2	5.0	4.0	5.0	4.9	5.0	4.9		121.3
Flyaway U/C										
Weapon System Proc U/C										

Description:

This program provides ancillary small arms equipment to the Soldier and equipment for the Soldier Enhancement Program (SEP). The mission of SEP is to identify and evaluate commercially available individual weapons, munitions, accessories, etc., which can be adopted and provided to Soldiers in three years or less. The nature of the items determines the acquisition strategy, market survey, candidate evaluation and down select method, scope of testing, adoption decision and fielding process. Each year nearly 125+ proposals are received and reviewed for suitable solutions to keep up with ever-changing technologies and new and improved ways to equip and maintain our forces. Proposals that match up with user deficiencies are presented at the Semi-annual PEO Soldier/TRADOC SEP review and compete for funding in the upcoming fiscal year. Also included within this program is equipment for the Rapid Fielding Initiative (RFI). In FY2011, there will be two New Starts initiated to procure Sniper Weapon Tripods and Sniper Quick Fire Sights.

Justification:

FY2011 Base procurement dollars in the amount of \$4.042 million procures the Advanced Sniper Accessory Kit, Close Combat Mission Capability Kit, Sniper Weapon Tripod (New Initiative) and Sniper Quick Fire Sight (New Initiative) 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. The Close Combat Mission Capability Kit consists of dye marking ammunition and weapon conversion kits for M9/M11 Pistols, M4 Carbines, M16A2/A4 Rifles and M249 Squad Automatic Weapons. The Sniper Weapon Tripod provides the individual Snipers with ability to support and steady the front of sniper rifles in covert positions such as well within buildings or behind walls or barriers without exposing weapons. The Sniper Quick Fire Sight provides a clamp-on uni-powered, "aim-point" optic that allows the Sniper a more effective and faster (non-magnified) Day/Night target acquisition/target engagement capability during a close quarter fight.

All funding supports Active Army.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2010

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

P-1 Item Nomenclature
CLOSED ACCOUNT ADJUSTMENTS (GC9500)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total Prog
Proc Qty										
Gross Cost	27.8	0.0								27.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	27.8	0.0								27.8
Initial Spares										
Total Proc Cost	27.8	0.0								27.8
Flyaway U/C										
Weapon System Proc U/C										

Description:

Funds payment of valid invoices, claims, and adjustments against the closed-year Weapons and Tracked Combat Vehicles (WTCV) appropriation.

The funds in this account are required to cover payment of valid invoices on cancelled unliquidated obligations, claims, and obligation adjustments for fiscal years which have been closed in accordance with provisions of P.L. 101-510 and 31 USC 1553 as stated below:

"Subject to the provisions of paragraph (2), after the closing of an account under section 1552(a) or 1555 of this title, obligations and adjustments to obligations that would have been properly chargeable to that account, both as to purpose and in amount, before closing and that are not otherwise chargeable to any current appropriation account of the agency may be charged to any current appropriation account of the agency available for the same purpose."