

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2005

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:
0604854A

Code:
B

Other Related Program Elements:

	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty				16	19	73	125				40	273
Gross Cost	1.1		7.9	37.1	46.8	155.9	253.5	7.1			92.0	601.4
Less PY Adv Proc	0.0											
Plus CY Adv Proc	0.0											
Net Proc (P-1)	1.1		7.9	37.1	46.8	155.9	253.5	7.1			92.0	601.4
Initial Spares												
Total Proc Cost	1.1		7.9	37.1	46.8	155.9	253.5	7.1			92.0	601.4
Flyaway U/C												
Wpn Sys Proc U/C				2.3	2.5	2.1	2.0				2.3	

Description:

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

The PM is working closely with PM Excalibur to incorporate Excalibur precision Global Positioning System/Inertial Navigation Unit (GPS/INU) guided 155mm projectile compatibility by 4QFY06. LW155 will be the first platform to fire Excalibur, which will provide precision strike capability (10 meter accuracy) out to ranges of 40 kilometers.

Justification:

FY 2006/2007 procures 92 Lightweight 155mm Towed Howitzers (LW155). This quantity and the Army's overall procurement of LW155s are planned as a joint multi-year procurement with the United States Marine Corps for FY05-FY08. LW155 replaces the M198 Towed Howitzer for the U.S. Army and USMC. It must be procured in FY05 to begin replacing the aging, heavier M198 howitzer. The LW155 will be the cannon fire support for the Army's Stryker Brigade Combat Teams.

The United Kingdom and Italy are participating in the development of the LW155 under an MOU and the UK has signed a production MOU with the US.

Note: For years FY07 through FY09, funding has been added to cover a \$371 thousand dollar unit cost increase resulting from changes in exchange rates and increases in industrial commodity prices. This funding increase is reflected in FY07(+\$25 million), FY08(\$+58 million), and FY09(+\$3.5 million). These funds will come from the Guided MLRS Rocket (GLMRS) program funded in the Missile Procurement Army appropriation. This increase is not reflected in the printed FYDP and Procurement Annex. The Guided MLRS Rocket budget document has also been footnoted.

The total production quantity reflected in these exhibits remains the same as those in the Procurement Annex; however, there is a slight variation in the FY05-FY07 quantity totals to satisfy production requirements of both the Army and Marine Corps on this Joint multiyear program.

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 2005		
WTCV Cost Elements	ID CD	FY 04			FY 05			FY 06			FY 07		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
WVA Cannon Long Lead		736	16	46	874	19	46	3358	73	46	5750	125	46
BAE Lightweight 155mm Howitzer					22960	16	1435	27265	19	1435	104755	73	1435
BAE Towed Artillery Digitization					4000	16	250	4750	19	250	18250	73	250
Watervliet Arsenal Cannon					3280	16	205	3895	19	205	14965	73	205
Primer Feed Mechanism					400	16	25	475	19	25	1825	73	25
Basic Initial Issue					200			228			876		
Watervliet Arsenal Facilitization		5100											
System Engineering / Program Management		2103			2000			2000			2000		
Test					300			500			2000		
Fielding					3051			4315			5450		
Total		7939			37065			46786			155871		

Exhibit P-5a, Budget Procurement History and Planning

Date:

February 2005

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
\$

Specs
Avail
Now?

Date
Revsn
Avail

RFP Issue
Date

WVA Cannon Long Lead

FY 2004

Watervliet Arsenal
Watervliet, NY 12189

MIPR

Dec '03

Feb '05

16

46

FY 2005

Watervliet Arsenal
Watervliet, NY 12189

MIPR

Mar 05

Apr 06

19

46

FY 2006

Watervliet Arsenal
Watervliet, NY 12189

MIPR

Mar 06

Apr 07

73

46

FY 2007

Watervliet Arsenal
Watervliet, NY 12189

MIPR

Mar 07

Apr 08

125

46

BAE Lightweight 155mm Howitzer

FY 2005

BAE SYSTEMS
Barrow-in-Furness, UK

MYP/FFP

Picatinny Arsenal, NJ

Mar 05

Apr 06

16

1435

FY 2006

BAE SYSTEMS
Barrow-in-Furness, UK

19

1435

FY 2007

BAE SYSTEMS
Barrow-in-Furness, UK

73

1435

BAE Towed Artillery Digitization

FY 2005

BAE SYSTEMS
Barrow-in-Furness, UK

MYP/FFP

Picatinny Arsenal, NJ

Mar 05

Apr 06

16

250

FY 2006

BAE SYSTEMS
Barrow-in-Furness, UK

19

250

FY 2007

BAE SYSTEMS
Barrow-in-Furness, UK

73

250

Watervliet Arsenal Cannon

FY 2005

Watervliet Arsenal
Watervliet, NY 12189

MIPR

Mar 05

Apr 06

16

205

REMARKS:

Exhibit P-5a, Budget Procurement History and Planning

Date:

February 2005

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
\$

Specs
Avail
Now?

Date
Revsn
Avail

RFP Issue
Date

FY 2006

Watervliet Arsenal
Watervliet, NY 12189

Mar 06

Apr 07

19

205

FY 2007

Watervliet Arsenal
Watervliet, NY 12189

Mar 07

Apr 08

73

205

Primer Feed Mechanism

FY 2005

TBD

TBD

Mar 05

Apr 06

16

25

FY 2006

TBD

19

25

FY 2007

TBD

73

25

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2005

Appropriation/Budget Activity/Serial No:

Procurement of W&TCV, Army /2/Weapons and other combat vehicles

P-1 Item Nomenclature

MARK-19 MODIFICATIONS (GB3000)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty												
Gross Cost	6.3	2.8	3.8	4.2	5.4	3.4	6.6	8.0	8.8	9.0		58.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	6.3	2.8	3.8	4.2	5.4	3.4	6.6	8.0	8.8	9.0		58.2
Initial Spares												
Total Proc Cost	6.3	2.8	3.8	4.2	5.4	3.4	6.6	8.0	8.8	9.0		58.2
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The MK-19 Mod 3 is a self-powered, air-cooled, blowback operated, 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 new start Tactical Engagement Simulator (TES) to support Force-on-Force Training.

Justification:

FY 2006/2007 procures the Lightweight Adjustable Sight Bracket, continues fielding and installation of the MK-19 Modification Kit, and initiates activities for the MK-19 TES. The MK-19 will be mounted on various vehicles and on the M3 tripod for ground mounted applications. It will replace select M2 .50 Cal and M60 7.62mm machine guns in mechanized, light infantry, engineer, military police, and other combat support and combat service support units. The adjustable sight bracket will provide a means of mounting light accessories (laser pointer/designator, combat ID, optics) on the MK-19. When attached to the MK-19, the sight base will provide a mounting interface for various fire control and night vision devices. The improved firing pin sear with modified firing pin will increase the parts life of the sear. The adjustable secondary drive lever improves maintainability and readiness of the MK-19 by lowering the level of maintenance and ease of feed slide adjustment. The TES provides Army units with the ability to realistically "train as they fight" by simulating force-on-force engagements in order to improve the user's effectiveness with this weapon system.

Exhibit P-40M, Budget Item Justification Sheet								Date: February 2005			
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army /2/Weapons and other combat vehicles						P-1 Item Nomenclature MARK-19 MODIFICATIONS (GB3000)					
Program Elements for Code B Items:				Code:	Other Related Program Elements:						
Description		Fiscal Years									
OSIP NO.	Classification	2004 & PR	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	TC	Total
Modification Kit											
TBD1		8.7	1.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	10.9
Tactical Engagement Simulator (TES)											
TBD2		0.0	1.1	3.6	2.9	6.3	7.9	8.8	9.0	0.0	39.6
Lightweight Adjustable Sight Bracket											
TBD3		4.2	1.5	1.2	0.4	0.3	0.1	0.0	0.0	0.0	7.7
Totals											
		12.9	4.2	5.4	3.3	6.6	8.0	8.8	9.0	0.0	58.2

INDIVIDUAL MODIFICATION												Date:		February 2005							
MODIFICATION TITLE: Modification Kit [MOD 1] TBD1																					
MODELS OF SYSTEM AFFECTED: MK-19 Grenade Machine Gun																					
DESCRIPTION/JUSTIFICATION: The sight base when attached to the MK-19 will provide a mounting interface for various fire control and night vision devices. The improved firing pin sear w/ modified firing pin will increase the parts life of the sear. The adjustable secondary drive lever improves maintainability and readiness of the MK-19 by lowering the level of maintenance and ease of feed slide adjustment.																					
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Production Contract Award 4Q00 (Actual) First Production Delivered 3Q02 (Actual) First Unit Equipped 4Q02 (Actual)																					
Installation Schedule:																					
	Pr Yr	FY 2005				FY 2006				FY 2007				FY 2008				FY 2009			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	0																				
Outputs	0																				
		FY 2010				FY 2011				FY 2012				FY 2013				To Complete	Totals		
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
	Inputs																		0		
Outputs																					
METHOD OF IMPLEMENTATION:		Field Application				ADMINISTRATIVE LEADTIME:				0 Months				PRODUCTION LEADTIME:				0 Months			
Contract Dates:		FY 2006				FY 2007				FY 2008				FY 2008							
Delivery Date:		FY 2006				FY 2007				FY 2008				FY 2008							

INDIVIDUAL MODIFICATION

Date: February 2005

MODIFICATION TITLE (Cont): Modification Kit [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	FY 2004 and Prior		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E	0																			
Procurement	0																			
Kit Quantity	18657																		18657	
Installation Kits	0																			
Installation Kits, Nonrecurring	0																			
Hardware	0	4.5																		4.5
--	0																			
Engineering Support	0	1.6		0.8		0.2														2.6
Testing	0	0.0																		
Integrated Logistics Supprt	0	0.8		0.3		0.1														1.2
Fielding	0	1.8		0.5		0.3														2.6
--	0																			
--	0																			
Installation of Hardware	0																			
FY2004 & Prior Equip -- Kits	13322		2668		2667														18657	
FY2005 Equip -- Kits	0																			
FY2006 Equip -- Kits	0																			
FY2007 Equip -- Kits	0																			
FY2008 Equip -- Kits	0																			
FY2007 Equip -- Kits	0																			
FY2008 Equip -- Kits	0																			
FY2009 Equip -- Kits	0																			
TC Equip- Kits	0																			
Total Installment	13322	0.0	2668	0.0	2667	0.0		0.0		0.0		0.0		0.0		0.0		0.0	18657	0.0
Total Procurement Cost		8.7		1.6		0.6		0.0		0.0		0.0		0.0		0.0		0.0		10.9

INDIVIDUAL MODIFICATION												Date:		February 2005							
MODIFICATION TITLE: Tactical Engagement Simulator (TES) [MOD 2] TBD2																					
MODELS OF SYSTEM AFFECTED: MK-19 Grenade Machine Gun																					
DESCRIPTION/JUSTIFICATION: Tactical Engagement Simulator (TES) The TES is a non-line of sight device which simulates the ballistic characteristics of the MK-19 GMG. It serves as a training device to provide realistic training during force-on-force engagements.																					
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Production Contract Award 2Q06 (Planned) First Production Delivered 4Q06 (Planned) First Unit Equipped 1Q07 (Planned)																					
Installation Schedule:																					
Inputs	Pr Yr	FY 2005				FY 2006				FY 2007				FY 2008				FY 2009			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	0																				
Outputs	0																				
	FY 2010				FY 2011				FY 2012				FY 2013				To Complete	Totals			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
Inputs																					
Outputs																					
																				0	
METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 0 Months PRODUCTION LEADTIME: 0 Months Contract Dates: FY 2006 FY 2007 FY 2008 Delivery Date: FY 2006 FY 2007 FY 2008																					

INDIVIDUAL MODIFICATION

Date: February 2005

MODIFICATION TITLE (Cont): Tactical Engagement Simulator (TES) [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	FY 2004 and Prior		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E	0																			
Procurement	0																			
Kit Quantity	0		50		335		236		518		653		687		680				3159	
Installation Kits	0																			
Installation Kits, Nonrecurring	0																			
Hardware	0			0.5		3.2		2.4		5.2		6.9		7.5		7.6				33.3
--	0																			
Engineering Support	0			0.5		0.2		0.3		0.6		0.6		0.8		0.9				3.9
Testing	0																			
Integrated Logistical Support	0			0.1		0.1		0.1		0.3		0.2		0.2		0.2				1.2
Fielding	0					0.1		0.1		0.2		0.2		0.3		0.3				1.2
Other	0																			
Interim Contractor Support	0																			
Installation of Hardware	0																			
FY2004 & Prior Equip -- Kits	0																			
FY2005 Equip -- Kits	0				50															50
FY2006 Equip -- Kits	0						335													335
FY2007 Equip -- Kits	0								236											236
FY2008 Equip -- Kits	0									518										518
FY2009 Equip -- Kits	0											653								653
FY2010 Equip - Kits	0													687						687
FY2011 Equip - Kits	0															680				680
FY2012 Equip - Kits	0																			
Total Installment	0	0.0		0.0	50	0.0	335	0.0	236	0.0	518	0.0	653	0.0	687	0.0	680	0.0	3159	0.0
Total Procurement Cost		0.0		1.1		3.6		2.9		6.3		7.9		8.8		9.0		0.0		39.6

INDIVIDUAL MODIFICATION												Date:		February 2005							
MODIFICATION TITLE: Lightweight Adjustable Sight Bracket [MOD 3] TBD3																					
MODELS OF SYSTEM AFFECTED: MK-19 Grenade Machine Gun																					
DESCRIPTION/JUSTIFICATION: The light adjustable sight bracket will provide a means of mounting light accessories (laser pointer/designator, combat ID, optics) on the MK-19. The sight bracket adjusts to allow the accessory to maintain a line of sight to the target out to max range while the weapon is elevated to engage targets.																					
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Production Contract Award 4Q01 (Actual) First Production Delivered 3Q03 (Actual) First Unit Equipped 4Q04 (Actual)																					
Installation Schedule:																					
Inputs	Pr Yr	FY 2005				FY 2006				FY 2007				FY 2008				FY 2009			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	0																				
Outputs	0																				
	FY 2010				FY 2011				FY 2012				FY 2013				To Complete	Totals			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
Inputs																					
Outputs																					
METHOD OF IMPLEMENTATION:		Field Application				ADMINISTRATIVE LEADTIME:				0 Months				PRODUCTION LEADTIME:				0 Months			
Contract Dates:		FY 2006				FY 2007				FY 2008				FY 2008							
Delivery Date:		FY 2006				FY 2007				FY 2008				FY 2008							

INDIVIDUAL MODIFICATION

Date:

February 2005

MODIFICATION TITLE (Cont): Lightweight Adjustable Sight Bracket [MOD 3] TBD3

FINANCIAL PLAN: (\$ in Millions)

	FY 2004 and Prior		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E	0																			
Procurement	0																			
Kit Quantity	7897		1620		1481		408		278										11684	
Installation Kits	0																			
Installation Kits, Nonrecurring	0																			
Hardware	0	3.0		0.8		0.8		0.2		0.1										4.9
--	0																			
Engineering Support	0	0.7		0.3		0.2		0.1		0.1										1.4
Testing	0																			
Integrated logistical Support	0	0.3		0.1		0.1		0.0		0.0										0.5
Fielding	0	0.2		0.3		0.1		0.1		0.1		0.1								0.9
--	0																			
--	0																			
Installation of Hardware	0																			
FY2004 & Prior Equip -- Kits	952		2400		2400		2145												7897	
FY2005 Equip -- Kits	0						255		1365										1620	
FY2006 Equip -- Kits	0								919		562								1481	
FY2007 Equip -- Kits	0										408								408	
FY2008 Equip -- Kits	0										278								278	
FY2009 Equip -- Kits	0																			
TC Equip- Kits	0																			
Total Installment	952	0.0	2400	0.0	2400	0.0	2400	0.0	2284	0.0	1248	0.0		0.0		0.0		0.0	11684	0.0
Total Procurement Cost		4.2		1.5		1.2		0.4		0.3		0.1		0.0		0.0		0.0		7.7

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2005

Appropriation/Budget Activity/Serial No:

Procurement of W&TCV, Army /2/Weapons and other combat vehicles

P-1 Item Nomenclature

M4 CARBINE MODS (GB3007)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty												
Gross Cost	50.0	33.3	48.2	13.7	44.8	17.1	13.9	6.3	13.7	9.8		250.9
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	50.0	33.3	48.2	13.7	44.8	17.1	13.9	6.3	13.7	9.8		250.9
Initial Spares												
Total Proc Cost	50.0	33.3	48.2	13.7	44.8	17.1	13.9	6.3	13.7	9.8		250.9
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The M4 Carbine Modification Program provides a close combat optic, an improved buttstock, and a modular weapon suite. The modular weapon suite includes a rail system, a top carry sling, a flashlight mount, a quick attach bracket kit for the M203 Grenade Launcher, and a permanently fixed back-up iron sight. It also provides the capability for firing the M203A1 Grenade Launcher (GL) with the M4 Carbine.

Justification:

FY2006/2007 procures M4 Modular Weapon Systems (MWS), Close Combat Optics (CCO), Close Quarters Battle Kit (New Start), and a Designated Marksmanship Sight (New Start). The modular weapon system is a key component of Soldier Lethality and allows the combat commander to custom configure weapons based upon the mission. The permanent back-up rear operative iron sight provides that capability in the event it becomes immediately necessary. The close combat optic allows the soldier to fire a weapon with both eyes open allowing greater awareness of events happening in close proximity and improves hit probability in daylight, low light level, wet weather and other adverse conditions. 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.

In support of Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF), additional items are being procured for the Rapid Fielding Initiative (RFI). The RFI provides new equipment to units being deployed. These items include the CCO, Magnified Optics, Tactical Weapon Lights, Bipods, Forward Grips, Cleaning Kits, Improved Buttstocks, and Slings.

FY05 funding does not include \$34.8 million for the Force Protection/Urgent Need Equipping Reprogramming done in support of Operation Iraqi Freedom.

Exhibit P-40M, Budget Item Justification Sheet								Date: February 2005			
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army /2/Weapons and other combat vehicles						P-1 Item Nomenclature M4 CARBINE MODS (GB3007)					
Program Elements for Code B Items:				Code:	Other Related Program Elements:						
Description			Fiscal Years								
OSIP NO.	Classification	2004 & PR	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	TC	Total
Modular Weapon System											
TBD1	Operational	37.7	5.5	3.5	4.2	3.5	0.2	0.0	0.0	0.0	54.6
Close Combat Optic											
TBD2	Operational	15.6	2.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	17.8
Close Quarters Battle Kit											
TBD3	Operational	0.0	0.0	5.2	5.3	5.2	3.6	6.8	5.3	0.0	31.4
Closed Mods											
TBD4		2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
Rapid Fielding Initiative											
TBD5	Operational	75.8	6.2	35.9	7.6	5.2	2.5	6.9	4.5	0.0	144.6
Totals											
		131.5	13.7	44.8	17.1	13.9	6.3	13.7	9.8	0.0	250.8

INDIVIDUAL MODIFICATION										Date:		February 2005											
MODIFICATION TITLE: Modular Weapon System [MOD 1] TBD1																							
MODELS OF SYSTEM AFFECTED: M4 Carbine (5.56mm)																							
DESCRIPTION/JUSTIFICATION: The modular weapon is a system of mounting rails/methods to allow the custom configuration of M4 Carbines with ancillary items such as optics, night sights, Infrared (IR) laser pointers, the grenade launcher, etc. based upon mission requirements. The Modular Weapon System includes the adapter rail system, Close Quarters Battle (CQB) sling, back-up iron sight and weapon flashlight mount.																							
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Developmental/Operational Tests 3Q95/2Q96 (Actual) Milestone III Production Decision 4Q97 (Actual) Production Contract Award 4Q97 (Actual) First Production Hardware Delivered 4Q98 (Actual) First Unit Equipped 2Q99 (Actual)																							
Installation Schedule:																							
	Pr Yr	FY 2005				FY 2006				FY 2007				FY 2008				FY 2009					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs	0																						
Outputs	0																						
		FY 2010				FY 2011				FY 2012				FY 2013				To Complete	Totals				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
	Inputs																						
Outputs																							
METHOD OF IMPLEMENTATION:		ADMINISTRATIVE LEADTIME:								0 Months				PRODUCTION LEADTIME:								0 Months	
Contract Dates:		FY 2006				FY 2007				FY 2008				FY 2008									
Delivery Date:		FY 2006				FY 2007				FY 2008				FY 2008									

INDIVIDUAL MODIFICATION

Date:

February 2005

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2004 and Prior		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E	0																			
Procurement	0																			
Quantity (Rail Systems Only)	84240																0		84240	
Quantity (Other Components)	41235		33000		20000		13000		13000								0		120235	
Installation Kits, Nonrecurring	0																			
Hardware	0	33.3		4.6		2.5		2.2		2.3										44.9
Equipment, Nonrecurring	0																			
Engineering Support	0	2.3		0.5		0.6		0.7		0.7		0.1								4.9
Testing	0	0.0																		
Integrated Logistical Support	0	0.7		0.2		0.2		0.3		0.3										1.7
Fielding	0	1.0		0.2		0.2		0.2		0.2		0.1								1.9
Engineering Study	0	0.4						0.8												1.2
Interim Contractor Support	0																			
Installation of Hardware	0																			
FY2004& Prior Equip -- Kits	82210		2030																84240	
FY2004& Prior Other Equip -- Kits	0		41235																41235	
FY2005 Other Equip -- Kits	0				33000														33000	
FY2006 Other Equip -- Kits	0						20000												20000	
FY2007 Other Equip -- Kits	0								13000										13000	
FY2008 Other Equip -- Kits	0										13000								13000	
Total Installment	82210	0.0	43265	0.0	33000	0.0	20000	0.0	13000	0.0	13000	0.0		0.0		0.0		0.0	204475	0.0
Total Procurement Cost		37.7		5.5		3.5		4.2		3.5		0.2		0.0		0.0		0.0		54.6

INDIVIDUAL MODIFICATION												Date:		February 2005							
MODIFICATION TITLE: Close Combat Optic [MOD 2] TBD2																					
MODELS OF SYSTEM AFFECTED: M4 Carbine (5.56mm)																					
DESCRIPTION/JUSTIFICATION: The Close Combat Optic will be installed on the M4 Carbine. The Close Combat Optic allows the soldier to fire a weapon with both eyes open allowing greater awareness of events happening in close proximity. The Close Combat Optic gives the Soldier greater hit probability in daylight, low light level, wet weather and other adverse conditions.																					
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <div style="display: flex; justify-content: space-between;"> <div> Developmental/Operational Tests Type Classification (LRIP) Production Contract Award First Production Hardware Delivered First Unit Equipped </div> <div> 1Q/2Q96 (Actual) 4Q96 (Actual) 4Q96 (Actual) 1Q97 (Actual) 2Q98 (Actual) </div> </div>																					
Installation Schedule:																					
	Pr Yr	FY 2005				FY 2006				FY 2007				FY 2008				FY 2009			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	0																				
Outputs	0																				
		FY 2010				FY 2011				FY 2012				FY 2013				To Complete	Totals		
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
	Inputs																		0		
Outputs																					
METHOD OF IMPLEMENTATION:		ADMINISTRATIVE LEADTIME:								0 Months				PRODUCTION LEADTIME:				0 Months			
Contract Dates:		FY 2006				FY 2007				FY 2008											
Delivery Date:		FY 2006				FY 2007				FY 2008											

INDIVIDUAL MODIFICATION

Date: February 2005

MODIFICATION TITLE (Cont): Close Combat Optic [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	FY 2004 and Prior		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E	0																			
Procurement	0																			
Quantity	62929		5970														0		68899	
Installation Kits	0																			
Installation Kits, Nonrecurring	0																			
Hardware	0	14.2		1.7																15.9
Equipment, Nonrecurring	0																			
Engineering Support	0	0.8		0.1		0.1														1.0
Testing	0	0.2																		0.2
Integrated Logistical Support	0	0.2		0.1																0.3
Fielding	0	0.2		0.1		0.1														0.4
Other	0																			
Interim Contractor Support	0																			
Installation of Hardware	0																			
FY2004 & Prior Equip -- Kits	60529		2400																62929	
FY2005 Equip -- Kits	0				5970														5970	
Total Installment	60529	0.0	2400	0.0	5970	0.0		0.0		0.0		0.0		0.0		0.0		0.0	68899	0.0
Total Procurement Cost		15.6		2.0		0.2		0.0		0.0		0.0		0.0		0.0		0.0		17.8

INDIVIDUAL MODIFICATION												Date:		February 2005							
MODIFICATION TITLE: Close Quarters Battle Kit [MOD 3] TBD3																					
MODELS OF SYSTEM AFFECTED: M4 Carbine (5.56mm)																					
DESCRIPTION/JUSTIFICATION: The Close Quarters Battle Kit provides the Soldier with multiple low cost items to increase lethality and survivability with individual weapons. The Close Quarters Battle Kit will provide but not be limited to the following items: low profile bipods; cleaning kits; improved magazines; magazine pouches; multiple magazine holders with storage pouches; forward rail brackets; improved weapon slings; and spray on weapon camouflage.																					
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Developmental/Operational Tests 3Q05/3Q06 (Plan) MS C Decision 3Q06 (Plan) Production Contract Award 4Q06 (Plan) First Unit Equipped 1Q07 (Plan)																					
Installation Schedule:																					
Inputs	Pr Yr	FY 2005				FY 2006				FY 2007				FY 2008				FY 2009			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Outputs																					
Inputs		FY 2010				FY 2011				FY 2012				FY 2013				To Complete	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Outputs																			0		
METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 0 Months PRODUCTION LEADTIME: 0 Months Contract Dates: FY 2006 FY 2007 FY 2008 Delivery Date: FY 2006 FY 2007 FY 2008																					

INDIVIDUAL MODIFICATION

Date: February 2005

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2004 and Prior		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity					10000		10000		10000		6200		13800		10000		0		60000	
Hardware					4.6		4.6		4.6		3.0		6.2		4.6					27.6
Engineering Support					0.3		0.3		0.2		0.2		0.2		0.3					1.5
Integrated Logistic Support					0.2		0.2		0.2		0.2		0.2		0.2					1.2
Fielding					0.1		0.1		0.1		0.1		0.1		0.1					0.6
Engineering Study							0.1		0.1		0.1		0.1		0.1					0.5
Installation of Hardware																				
FY 2004 & Prior Equip -- Kits																				
FY 2005 Equip-- Kits																				
FY 2006 Equip -- Kits							10000												10000	
FY 2007 Equip -- Kits									10000										10000	
FY 2008 Equip -- Kits											10000								10000	
FY 2009 Equip -- Kits													6200						6200	
FY 2010 Equip -- Kits													3800		10000				13800	
FY 2011 Equip -- Kits																	10000		10000	
TC Equip- Kits																				
Total Installment		0.0		0.0		0.0	10000	0.0	10000	0.0	10000	0.0	10000	0.0	10000	0.0	10000	0.0	60000	0.0
Total Procurement Cost		0.0		0.0		5.2		5.3		5.2		3.6		6.8		5.3		0.0		31.4

INDIVIDUAL MODIFICATION												Date: February 2005									
MODIFICATION TITLE: Rapid Fielding Initiative [MOD 5] TBD5																					
MODELS OF SYSTEM AFFECTED: M4 Carbine (5.56mm)																					
DESCRIPTION/JUSTIFICATION: In support of the Global War on Terrorism, the Rapid Fielding Initiative (RFI) provides deploying soldiers with new equipment to upgrade existing equipment or replace worn-out equipment. RFI provides funds to procure and support, items such as close combat optics, magnified optics, tactical weapon lights, bipods, forward grips, cleaning kits, improved buttstocks and slings.																					
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:																					
Installation Schedule:																					
Inputs	Pr Yr	FY 2005				FY 2006				FY 2007				FY 2008				FY 2009			
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	0																				
Outputs	0																				
	FY 2010				FY 2011				FY 2012				FY 2013				To Complete	Totals			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
Inputs																					
Outputs																					
																				0	
METHOD OF IMPLEMENTATION:														ADMINISTRATIVE LEADTIME: 0 Months				PRODUCTION LEADTIME: 0 Months			
Contract Dates:		FY 2006				FY 2007				FY 2008											
Delivery Date:		FY 2006				FY 2007				FY 2008											

INDIVIDUAL MODIFICATION

Date:

February 2005

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2004 and Prior		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E	0																			
Procurement	0																			
Multiple Items	0	64.8		4.8		29.3		5.8		4.1		2.2		5.1		3.6				119.7
Engineering Support	0	10.4		0.7		3.0		0.8		0.6		0.3		0.8		0.4				17.0
Testing	0																			
Integrated Logistic Support	0			0.1		0.6		0.2		0.1		0.0		0.2		0.1				1.3
Fielding	0	0.1		0.1		0.6		0.2		0.1		0.0		0.2		0.1				1.4
Engineering Study	0	0.1																		0.1
Interim Contractor Support	0	0.4		0.5		2.4		0.6		0.3		0.0		0.6		0.3				5.1
Installation of Hardware	0																			
FY2004 & Prior Equip -- Kits	0																			
FY2005 Equip -- Kits	0																			
FY2006 Equip -- Kits	0																			
FY2007 Equip -- Kits	0																			
FY2008 Equip -- Kits	0																			
FY2009 Equip -- Kits	0																			
FY2010 Equip -- Kits	0																			
FY2011 Equip -- Kits	0																			
TC Equip- Kits	0																			
Total Installment	0	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0
Total Procurement Cost		75.8		6.2		35.9		7.6		5.2		2.5		6.9		4.5		0.0		144.6

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2005

Appropriation/Budget Activity/Serial No:

Procurement of W&TCV, Army /2/Weapons and other combat vehicles

P-1 Item Nomenclature

SQUAD AUTOMATIC WEAPON (MOD) (GZ1290)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty												
Gross Cost	17.0	13.6	13.1	3.4	3.1	5.3	9.4	4.2	5.1	3.2		77.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	17.0	13.6	13.1	3.4	3.1	5.3	9.4	4.2	5.1	3.2		77.3
Initial Spares												
Total Proc Cost	17.0	13.6	13.1	3.4	3.1	5.3	9.4	4.2	5.1	3.2		77.3
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The M249 Squad Automatic Weapon (SAW) is a 5.56mm, lightweight machine gun that can be utilized in either the automatic rifle role or light machine gun role. Various system enhancements have been identified that further improves the use of this weapon system by increasing functionality and performance capabilities. These include the addition of a feedtray cover rail and forward rail assemblies. 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 and Short Barrel. In support of Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF) additional items (such as pistol grips, rail covers, ammo packs, spare barrel bags etc.,) are being procured for the Rapid Fielding Initiative (RFI). The RFI provides new equipment to units deployed.

Justification:

FY2006/2007 procures Improved Bipods, Improved Collapsible Buttstocks and Light Weight Ground Mounts. The Improved Bipod is stronger than the existing bipod, allows the Soldier better adjustability and is compatible with the accessory rail kit. The Improved Collapsible Buttstock provides the Soldier improved ergonomics resulting in greater target acquisition. The M192 Light Weight Ground Mount, which weighs 11.4 pounds, will reduce the Soldier's combat load weight by 6.4 pounds. It will incorporate a modern traverse and elevating mechanism that will maintain predetermined elevation throughout the full range of weapon traverse, as well as contain a series of index marks that will enable gunners to construct a range data card.

FY05 funding does not include \$8.4M for the Force Protection/Urgent Need Equipping Reprogramming done in support of Operation Iraqi Freedom.

Exhibit P-40M, Budget Item Justification Sheet								Date: February 2005			
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army /2/Weapons and other combat vehicles						P-1 Item Nomenclature SQUAD AUTOMATIC WEAPON (MOD) (GZ1290)					
Program Elements for Code B Items:				Code:		Other Related Program Elements:					
Description			Fiscal Years								
OSIP NO.	Classification	2004 & PR	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	TC	Total
M249 Feedtray Covers											
TBD1	Operational	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
M249 Rails/Bipod/Handguard											
TBD2	Operational	10.2	1.7	0.0	1.6	1.8	1.9	1.4	1.1	0.0	19.7
M249 Short Barrel/Coll Buttstock/Heatshield											
TBD3	Operational	10.5	0.1	1.3	1.5	1.6	0.7	0.7	0.9	0.0	17.3
Light Weight Ground Mount											
TBD4	Operational	3.0	1.1	1.3	1.8	5.6	1.6	3.0	1.2	0.0	18.6
Rapid Fielding Initiative											
TBD5	Operational	11.3	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	13.1
Closed Mods											
TBD6		6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
Totals											
		43.6	3.4	3.1	5.3	9.4	4.2	5.1	3.2	0.0	77.3