Exhibit P-40, Budget Item	Justification	Sheet					Ι	Date:	February 2008						
Appropriation / Budget Activity / Seria Procurement of W&TCV, Army / 2 /		ombat vehicles		P-	l Item Nomencla HOWITZE	iture R LT WT 155MM (T	T) (G01700)		·						
Program Elements for Code B Items: 0604854-509		Code:	Other	Related Progran	Elements:										
	Prior Years FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 F														
Proc Qty	35	78	185	38	13	12	16	17	40	434					
Gross Cost	96.0	172.2	411.0	113.2	38.1	35.8	46.7	46.7	92.0	1051.6					
Less PY Adv Proc															
Plus CY Adv Proc															
Net Proc P1	96.0	172.2	411.0	113.2	38.1	35.8	46.7	46.7	92.0	1051.6					
Initial Spares															
Total Proc Cost	96.0	172.2	411.0	113.2	38.1	35.8	46.7	46.7	92.0	1051.6					
Flyaway U/C															
Weapon System Proc U/C	2.7	2.2	2.2	3.0	2.9	3.0	2.9	2.7	2.3	24.0					

Description:

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

Justification:

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

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

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Exhibit P-5, Weapon WTCV Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weap combat vehicles	ons and			menclature: WT 155MM (T) (G01700)		Weapon System	m Type:	Date:	February 2008
WTCV		ID	·	FY 07			FY 08			FY 09	
Cost Elemen	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
WVA Cannon Long Lead			5796	126	46						
BAE Lightweight 155mm Howitzer			132600	78	1700	333000	185	1800	8637:	5 38	2273
Watervliet Arsenal Cannon			15990	78	205	46250	185	250	950	0 38	250
Primer Feed Mechanism			1404	78	18	3700	185	20	79	8 38	21
Optical Fire Control			3120	78	40	8325	185	45	182	4 38	48
Basic Initial Issue			4467	,		9885			4230	5	
Watervliet Arsenal Facilitization											
System Engineering / Program Management			5031			5036			5230	6	
Test			1755	;		2568			265	8	
Fielding			2031			2208			257	8	
Total:			172194			410972			11320		

Exhibit P-5a, Budget Procu	rement Histor	ry and Planning							ate: ebruary	2008	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and	other combat vehicles	Weapon System Type:		Nomenclature: LT WT 155MM (T) (G01700)						
WBS Cost Elements:		Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
WVA Cannon Long Lead											
FY 2007		et Arsenal et, NY 12189	MIPR	N/A	Oct 06	Oct 07	126	46			
FY 2008		et Arsenal et, NY 12189	MIPR	N/A	Oct 07	Oct 08					
FY 2009	Watervlie Watervlie	et Arsenal et, NY 12189	MIPR	N/A	Oct 08	Oct 09					
3AE Lightweight 155mm Howitzer											
FY 2007	BAE SYS Barrow-ii	STEMS n-Furness, UK	MYP/FFP	Picatinny Arsenal, NJ	Oct 06	May 07	78	1700			
FY 2008	BAE SYS Barrow-ii	STEMS n-Furness, UK	MYP/FFP	Picatinny Arsenal, NJ	Mar 08	Sep 08	185	1800			
FY 2009	BAE SYS Barrow-ii	STEMS n-Furness, UK	SS/FFP	Picatinny Arsenal, NJ	Oct 08	Sep 09	38	2273			
Vateryliet Arsenal Cannon											
FY 2007		et Arsenal et, NY 12189	MIPR	N/A	Oct 06	Feb 07	78	205			
FY 2008		et Arsenal et, NY 12189	MIPR	N/A	Oct 07	Jun 08	185	250			
FY 2009		et Arsenal et, NY 12189	MIPR	N/A	Oct 08	May 09	38	250			
Primer Feed Mechanism											
FY 2007	HTD Hartford,	СТ	MYP/FFP	Picatinny Arsenal, NJ	Oct 06	Feb 07	78	18			
FY 2008	HTD Hartford,	СТ	MYP/FFP	Picatinny Arsenal, NJ	Oct 07	Jun 08	185	20			
FY 2009	HTD Hartford,	СТ	SS/FFP	Picatinny Arsenal, NJ	Oct 08	May 09	38	21			
Optical Fire Control											
FY 2007	Seiler St. Louis	MO	MYP/FFP	Picatinny Arsenal, NJ	Oct 06	Feb 07	78	40			
FY 2008	Seiler St. Louis	MO	MYP/FFP	Picatinny Arsenal, NJ	Oct 07	Jun 08	185	45			
FY 2009	Seiler St. Louis	MO	SS/FFP	Picatinny Arsenal, NJ	Oct 08	May 09	38	48			

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Exhibit P-5a, Budget Procurement	History and Planning]	Date: February 20	08	
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat	vehicles Weapon System Type:	P-1 Line Item 1 HOWITZER L	Nomenclature: T WT 155MM (T) (G01700	0)			•			
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Avail I	Date Revsn Avail	RFP Issue Date
REMARKS: Current LW155 Towed Howitzer procurement is bein fire control for FY2008/FY2009 Grow the Army quantities will be	g accomplished through a Multiyear awarded as single year buys.	r (FY05-FY08) Procure	ement Contract. Contrac	cts for the procu	rement of hov	vitzers, p	orimer feed	mechanis	ms, and	d optica
FY09 Weapon System procurement unit cost is high because the H	owitzer procurement will be awarde	ed as single year buys.								

	F	FY 07 /	08 BU	DGET	PRO	DDUC	CTIO	N SCI	HEDU	LE			P-1 ITEN HOWITZ				(G0170	00)				Dat	e:	Februai	y 2008				
C	OST	ELEM	IENTS	,						Fiscal '	Year 07	•	•									Fiscal Y	ear 08						
	_	1																											
M	S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	7								Caler	ıdar Yea	ır 08				
F FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Lightweigh	t 155mr	n Towed	Howitzer	(LW155)				1																					
1 FY 06	A	19	0	19	12	7																							0
1 FY 07	A	78	0	78	A								9 10	9	6				10	14	7	8	5						0
1 FY 08	A	185	0	185																		А						16	169
1 FY 09	А	38	0	38																									38
1 FY 10	A	13	0	13																									13
1 FY 11	A	12	0	12																									12
1 FY 12	A	16	0	16																									16
1 FY 13	A	17	0	17																									17
LW155 (U	SMC - F	or Inform	ation Onl	y)																					_				
1 FY 06	MC	69	0	69				6	14	5	13		5		8	14	4												0
1 FY 07	MC	34	0	34													10	14	4		6								0
1 FY 08	MC	80	0	80																	3	8	11	16	14	14	14		0
Total		561		561	12	7		6	14	5	13	14	10	9	14	14	14	14	14	14	16	16	16	16	14	14	14	16	265
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	U L	A U G	S E P	
M						I	PRODU	ICTION	RATES						A	DMIN I	LEAD T	IME		MFR		TOTA	AL.	REMA					
F										Reac	hed M	FR			Pric	or 1 Oct	Afte	r 1 Oct	Aft	ter 1 Oct		After 1	Oct		05-08 F tion Con				
R		Nam	e - Locati	on		N	MIN	1-8-5	MAX	D-	+	1 In	itial			0		6		6		12		Joint M	ulti-Yea	r procur	ement		
1 BAE	SYSTEN	MS, Barro	w-in-Furn	ness, UK			48	192	192			R	eorder			0		1		11		12			e USMC				act was oduction
												In	itial												nes are f			circi i re	oque tron
												R	eorder																
												In	itial											Ī					
												R	eorder																
												In	itial																
												R	eorder																
												In	itial																
												R	eorder]					

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Exhibit P-21 Production Schedule

	F	FY 09 /	10 BU	DGET	r PR(DDUC	CTIO	N SCI	HEDU	LE			P-1 ITEM HOWITZ				(G0170	0)				Dat	te:	Februa	ry 2008				
(OST	ELEM	IENTS							Fiscal Y	ear 09											Fiscal Y	ear 10						
	_	1																											
M	S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calendar	r Year 0	9								Caler	ıdar Ye	ar 10				
F FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Lightweig	nt 155mr	n Towed	Howitzer	(LW155)	•													•							•		•		
1 FY 06	A	19	19																										0
1 FY 07	A	78	78																										0
1 FY 08	A	185	16	169	16	16	16	16	16	16	16	16	5 16	16	9														0
1 FY 09	A	38	0	38	A											4	4	4	4	4	4	4	4	6					0
1 FY 10	A	13	0	13													A												13
1 FY 11	A	12	0	12																									12
1 FY 12	A	16	0	16																									16
1 FY 13	A	17	0	17																									17
LW155 (U	SMC - I	or Inform	ation Onl	9															_	_				_	_				
1 FY 06	MC	69	69																										0
1 FY 07	MC	34	34																										0
1 FY 08	MC	80	80																										0
Total		561	296	265	16	16	16	16	16	16	16	16	16	16	9	4	4	4	4	4	4	4	4	6					58
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M						I	PRODU	CTION	RATES						A	DMIN I	EAD T	IME		MFR		TOTA	AL.	REMA	RKS				
F										Reac	hed M	FR			Pric	or 1 Oct	Afte	r 1 Oct	Af	ter 1 Oct		After 1	Oct						
R		Nam	e - Locati	on		N	ΛIN	1-8-5	MAX	D-	-	l Ini	tial			0		6		6		12							
1 BAE	SYSTE	MS, Barro	w-in-Furr	ness, UK			48	192	192			Re	order			0		1		11		12							
												Ini	tial																
												Re	order																
												Ini	tial																
'												Re	order																
											Ini	tial																	
'											Re	order											1						
'												Ini	tial											1					
												Re	order											1					

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	I	FY 11 /	12 BU	DGET	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITE HOWIT	M NOMI ZER LT			(G0170	00)				Dat	e:	Februa	ry 2008				
(COST	ELEM	IENTS	,						Fiscal Y	Year 1	1	•									Fiscal Y	ear 12						
		_						1																					
M	S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ar Year 1	.1								Caler	ıdar Ye	ar 12				
F FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Lightweig	ht 155mi	n Towed	Howitzer	(LW155)																									
1 FY 06	A	19	19																										0
1 FY 07	A	78	78																										0
1 FY 08	A	185	185																										0
1 FY 09	A	38	38																										0
1 FY 10	A	13	0	13	2	4	4	3																					0
1 FY 11	A	12	0	12	A												4	4	4										0
1 FY 12	A	16	0	16													Α												16
1 FY 13	A	17	0	17																									17
LW155 (U	ISMC - I	or Inform	ation Onl	y)																									
1 FY 06		69	69																										0
1 FY 07	MC	34	34																										0
1 FY 08	MC	80	80																										0
Total		561	503	58	2	4	4	3									4	4	4										33
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M]	PRODU	ICTION :	RATES						A	DMIN L	EAD T	IME		MFR		TOTA	AL	REMA	RKS				
F										Reac	hed N	FR			Pric	or 1 Oct	Afte	r 1 Oct	Af	ter 1 Oct	:	After 1	Oct						
R		Nam	e - Locati	on		N	MIN	1-8-5	MAX	D-	+	1 I	nitial			0		6		6		12							
1 BAE	SYSTE	MS, Barro	w-in-Furn	ness, UK			48	192	192			F	Reorder			0		1		11		12							
												I	nitial																
												F	Reorder																
												I	nitial																
												F	Reorder																
												I	nitial																
											F	Reorder																	
												I	nitial																
												F	Reorder											1					

	F	FY 13 /	14 BU	DGET	Γ PR(ODUC	CTIO	N SCI	HEDU	ILE			P-1 ITE HOWIT	M NOMI ZER LT			(G0170	00)				Dat	te:	Februa	ry 2008				
(OST	ELEM	IENTS	,						Fiscal '	Year 1	3										Fiscal Y	ear 14						
		_																											
M	S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ar Year 1	13								Caler	ıdar Ye	ar 14				
F FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Lightweig	nt 155mr	n Towed	Howitzer	(LW155)																									
1 FY 06	A	19	19																										0
1 FY 07	A	78	78																										0
1 FY 08	A	185	185																										0
1 FY 09	A	38	38																										0
1 FY 10	A	13	13																										0
1 FY 11	A	12	12																										0
1 FY 12	A	16	0	16	4	4	4	4																					0
1 FY 13	A	17	0	17	A												5	4	4	4									0
LW155 (U		or Infom	ation Onl	y)																									
1 FY 06		69	69																										0
1 FY 07	MC	34	34																										0
1 FY 08	MC	80	80																										0
Total		561	528	33	4	4	4	4									5	4	4	4									
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	A A Y	. U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M]	PRODU	ICTION	RATES						Α	DMIN L	EAD T	IME		MFR		TOTA	AL.	REMA	RKS				
F										Reac	hed N	/IFR			Pri	or 1 Oct	Afte	r 1 Oct	Af	ter 1 Oct		After 1	Oct						
R		Nam	e - Locati	on		N	MIN	1-8-5	MAX	D-	+	1]	nitial			0		6		6		12		1					
1 BAE	SYSTE	MS, Barro	w-in-Furn	ness, UK			48	192	192]	Reorder			0		1		11		12		1					
												1	nitial											1					
]	Reorder											1					
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]	Reorder											1					
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]	Reorder																	
]	nitial																
												1	Reorder											1					

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