

<b>Exhibit P-40, Budget Item Justification Sheet</b>										Date: <div style="text-align: center;">February 2007</div>	
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 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	16	19	78	126	13	13	12	16	17	18	328
Gross Cost	46.1	50.0	172.2	270.3	44.2	38.4	36.1	47.1	47.1	72.1	823.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	46.1	50.0	172.2	270.3	44.2	38.4	36.1	47.1	47.1	72.1	823.5
Initial Spares											
Total Proc Cost	46.1	50.0	172.2	270.3	44.2	38.4	36.1	47.1	47.1	72.1	823.5
Flyaway U/C											
Weapon System Proc U/C	2.9	2.6	2.2	2.1	3.4	3.0	3.0	2.9	2.8	4.0	28.9
<p><b>Description:</b>  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.</p> <p>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 2QFY2007. Excalibur will provide precision strike capability (10 meter accuracy) out to ranges of 40 kilometers.</p> <p>FY05-08 Full Rate Production contract is a joint multiyear procurement with the USMC. Contracts for the procurement of howitzers, primer feed mechanisms, and optical fire control for FY09 and beyond are TBD.</p> <p><b>Justification:</b>  FY 2008/2009 procures 139 Lightweight 155mm Towed Howitzers (LW155). FY08 production is the final year of a joint FY05-FY08 multiyear procurement with the USMC. Contracts for the procurement of howitzers, primer feed mechanisms, and optical fire control for FY09 and beyond are TBD.</p> <p>LW155 replaces the M198 Towed Howitzer for the U.S. Army and USMC. The LW155 must be procured in FY08 and FY09 to continue replacing the aging, heavier M198 howitzer. The LW155 is the cannon fire support for the Army's Stryker Brigade Combat Teams (SBCT). The United Kingdom and Italy participated in the development of the LW155 under an Memorandum Of Understanding (MOU) and the UK has signed a production MOU with the US.</p> <p>FY 2006/2007 totals do not include any supplemental funding.</p>											

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: February 2007
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:
Footnote: The P-1 quantities are incorrect for FY09. The P-40 shows the correct quantities.		

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 2007	
	WTCV Cost Elements	ID	FY 06			FY 07			FY 08			FY 09		
CD		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	
WVA Cannon Long Lead		3910	78	50	5796	126	46	650	13	50	650	13	50	
BAE Lightweight 155mm Howitzer		32300	19	1700	132600	78	1700	214200	126	1700	29718	13	2286	
Watervliet Arsenal Cannon		3895	19	205	15990	78	205	25830	126	205	2600	13	200	
Primer Feed Mechanism		342	19	18	1404	78	18	2268	126	18	286	13	22	
Optical Fire Control		760	19	40	3120	78	40	5040	126	40	624	13	48	
Basic Initial Issue		1088			4467			7216			964			
Watervliet Arsenal Facilitization														
System Engineering / Program Management		6419			5031			6572			6950			
Test		515			1755			3847			1000			
Fielding		746			2031			4628			1450			
Hardware and Software Upgrades														
Total:		49975			172194			270251			44242			

Exhibit P-5a, Budget Procurement History and Planning									Date: February 2007		
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles			Weapon System Type:		P-1 Line Item Nomenclature: HOWITZER LT WT 155MM (T) (G01700)						
WBS Cost Elements:	Contractor and Location		Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>WVA Cannon Long Lead</b>											
FY 2006	Watervliet Arsenal Watervliet, NY 12189		MIPR	N/A	Oct 05	Oct 06	78	50			
FY 2007	Watervliet Arsenal Watervliet, NY 12189		MIPR	N/A	Oct 06	Oct 07	126	46			
FY 2008	Watervliet Arsenal Watervliet, NY 12189		MIPR	N/A	Oct 07	Oct 08	13	50			
FY 2009	Watervliet Arsenal Watervliet, NY 12189		MIPR	N/A	Oct 08	Oct 09	13	50			
<b>BAE Lightweight 155mm Howitzer</b>											
FY 2006	BAE SYSTEMS Barrow-in-Furness, UK		MYP/FFP	Picatinny Arsenal, NJ	Mar 06	Aug 06	19	1700			
FY 2007	BAE SYSTEMS Barrow-in-Furness, UK		MYP/FFP	Picatinny Arsenal, NJ	Oct 06	May 07	78	1700			
FY 2008	BAE SYSTEMS Barrow-in-Furness, UK		MYP/FFP	Picatinny Arsenal, NJ	Mar 08	Sep 08	126	1700			
FY 2009	BAE SYSTEMS Barrow-in-Furness, UK		TBD	Picatinny Arsenal, NJ	Mar 09	Aug 09	13	2286			
<b>Watervliet Arsenal Cannon</b>											
FY 2006	Watervliet Arsenal Watervliet, NY 12189		MIPR	N/A	Oct 05	May 06	19	205			
FY 2007	Watervliet Arsenal Watervliet, NY 12189		MIPR	N/A	Oct 06	Feb 07	78	205			
FY 2008	Watervliet Arsenal Watervliet, NY 12189		MIPR	N/A	Oct 07	Jun 08	126	205			
FY 2009	Watervliet Arsenal Watervliet, NY 12189		MIPR	N/A	Oct 09	May 09	13	200			
<b>Primer Feed Mechanism</b>											
FY 2006	HTD Hartford, CT		MYP/FFP	Picatinny Arsenal, NJ	Oct 05	May 06	19	18			
FY 2007	HTD Hartford, CT		MYP/FFP	Picatinny Arsenal, NJ	Oct 06	Feb 07	78	18			
FY 2008	HTD Hartford, CT		MYP/FFP	Picatinny Arsenal, NJ	Oct 07	Jun 08	126	18			
FY 2009	HTD		TBD	Picatinny Arsenal, NJ	Oct 08	May 09	13	22			

Exhibit P-5a, Budget Procurement History and Planning									Date: February 2007			
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles			Weapon System Type:		P-1 Line Item Nomenclature: HOWITZER LT WT 155MM (T) (G01700)							
WBS Cost Elements:		Contractor and Location		Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Optical Fire Control</b>		Hartford, CT										
FY 2006		Seiler St. Louis, MO		MYP/FFP	Picatinny Arsenal, NJ	Nov 05	May 06	19	40			
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	126	40			
FY 2009		Seiler St. Louis, MO		TBD	Picatinny Arsenal, NJ	Oct 08	May 09	13	48			
REMARKS: Current LW155 Towed Howitzer procurement is being accomplished through a Multiyear (FY05-FY08) Procurement Contract. Contracts for the procurement of howitzers, primer feed mechanisms, and optical fire control for FY09 and beyond are TBD.												

FY 06 / 07 BUDGET PRODUCTION SCHEDULE																														P-1 ITEM NOMENCLATURE HOWITZER LT WT 155MM (T) (G01700)										Date: February 2007									
COST ELEMENTS						Fiscal Year 06														Fiscal Year 07														Later															
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT							Calendar Year 06										Calendar Year 07																											
						O C T	N O V	D E C	J A N	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																				
Lightweight 155mm Towed Howitzer (LW155)																																																	
1	FY 06	A	19	0	19							A					2	4	12	1											0																		
1	FY 07	A	78	0	78														A								9	10	9	6	44																		
1	FY 08	A	126	0	126																										126																		
1	FY 09	A	13	0	13																										13																		
LW155 (USMC - For Information Only)																																																	
1	FY 06	MC	69	0	69																		6	14	5	13	5			8	14	4																	
1	FY 07	MC	34	0	34																										34																		
1	FY 08	MC	47	0	47																										47																		
Total			386		386												2	4	12	1			6	14	5	13	14	10	9	14	14	268																	
						O C T	N O V	D E C	J A N	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 The LW155 Howitzer is a Joint Production between the Army and the USMC.  The FY05-08 Full Rate Production Contract is a Joint Multi-Year procurement with the USMC.																																		
						MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct																																					
	1	BAE SYSTEMS, Barrow-in-Furness, UK					4	14	14		1	Initial	0	2											12	14																							
											Reorder	0	0	12											12																								
											Initial																																						
											Reorder																																						
											Initial																																						
											Reorder																																						
											Initial																																						
											Reorder																																						

FY 08 / 09 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE HOWITZER LT WT 155MM (T) (G01700)										Date: February 2007														
COST ELEMENTS						Fiscal Year 08														Fiscal Year 09														Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT				Calendar Year 08											Calendar Year 09														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Lightweight 155mm Towed Howitzer (LW155)																																		
1	FY 06	A	19	19																											0			
1	FY 07	A	78	34	44			10	14	7	8	5																			0			
1	FY 08	A	126	0	126						A						9	1	2	13	14	14	14	14	14	14	14	14	3		0			
1	FY 09	A	13	0	13																		A						11	2	0			
LW155 (USMC - For Information Only)																																		
1	FY 06	MC	69	65	4	4																									0			
1	FY 07	MC	34	0	34	10	14	4		6																					0			
1	FY 08	MC	47	0	47					1	6	9				5		13	12	1											0			
Total			386	118	268	14	14	14	14	14	14	14				5	9	14	14	14	14	14	14	14	14	14	14	14	2					
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
M F R	Name - Location					PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS The LW155 Howitzer is a Joint Program between the Army and the USMC.  The FY05-08 Full Rate Production Contract is a Joint Multi-Year procurement with the USMC.																			
						MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct																						
	1	BAE SYSTEMS, Barrow-in-Furness, UK					4	14	14		1	Initial	0	2											12	14								
											Reorder	0	0	12											12									
											Initial																							
											Reorder																							
											Initial																							
											Reorder																							
											Initial																							
											Reorder																							