

<b>Exhibit P-40, Budget Item Justification Sheet</b>										Date: <div style="text-align: right;">February 2011</div>		
Appropriation / Budget Activity / Serial No: <small>Procurement of W&amp;TCV, Army / 2 / Weapons and other combat vehicles</small>						P-1 Item Nomenclature <small>HOWITZER LT WT 155MM (T) (G01700)</small>						
Program Elements for Code B Items: <small>0604854-509</small>			Code: <div style="text-align: center;">B</div>		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	354	53	14									421
Gross Cost	852.0	157.4	62.0	13.1		13.1	13.7					1098.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	852.0	157.4	62.0	13.1		13.1	13.7					1098.1
Initial Spares												
Total Proc Cost	852.0	157.4	62.0	13.1		13.1	13.7					1098.1
Flyaway U/C												
Weapon System Proc U/C	2.4	3.0	4.4									2.6
<b>P-40 Breakdown</b>												
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016		
Active	Qty	53	14	0	0	0	0	0	0	0	0	
	Gross Cost	111525.0	62000.0	7709.0	0.0	7709.0	8044.0	0.0	0.0	0.0	0.0	
National Guard	Qty	0	0	0	0	0	0	0	0	0	0	
	Gross Cost	45890.0	0.0	5357.0	0.0	5357.0	5606.0	0.0	0.0	0.0	0.0	
Reserve	Qty	0	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	0.0	
Total	Qty	53	14	0	0	0	0	0	0	0	0	
	Gross Cost	157415	62000	13066	0	13066	13650	0	0	0	0	
<p><b>Description:</b>  The Lightweight 155mm Howitzer (LW155), also known as the M777A2, provides direct, reinforcing, and general support fires to maneuver forces. It replaces all howitzers in all missions in the USMC and replaces the M198 howitzer as the general support artillery for light forces in the Army. The LW155 fires unassisted projectiles to a range of 15 miles and assisted projectiles to 19 miles, but the addition of the digital fire control system enables the weapon to program and fire the improved Excalibur precision-guided munition to ranges in excess of 25 miles with better than 10-meter Circular Error Probable (CEP) accuracy. The LW155 is the first ground combat system whose major structures are made of high strength titanium alloy and the system makes extensive use of hydraulics to operate the breech, load tray, recoil and wheel arms. The combination of titanium structures and the use of hydraulic systems resulted in a significant weight savings over the M198 system (&gt;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.</p> <p><b>Justification:</b>  FY12 Base procurement dollars in the amount of \$13.066 million will support Program Management costs for life cycle management associated with the Howitzer Lightweight 155MM. It also</p>												

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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)
Program Elements for Code B Items: 0604854-509	Code: B	Other Related Program Elements:
<p>supports the Interim Contractor Support for all guns.</p> <p>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.</p> <p>IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</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 2011		
	WTCV Cost Elements		ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
			Total Cost	Qty	Unit Cost	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	\$000	Units	\$000	
BAE Lightweight 155mm Howitzer			124550	53	2350	32900	14	2350										
Watervliet Arsenal Cannon			13250	53	250	3500	14	250										
Primer Feed Mechanism			1060	53	20	280	14	20										
Optical Fire Control			2332	53	44	616	14	44										
Basic Initial Issue			1316			340												
System Engineering / Program Management			7985			2524			3066						3066			
Test			1767			490												
Fielding			5155			1350												
Interim Contractor Support (ICS)						12000			10000						10000			
Capability Package 1						8000												
Total:			157415			62000			13066						13066			

Exhibit P-5a, Budget Procurement History and Planning									Date: February 2011		
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: HOWITZER LT WT 155MM (T) (G01700)								
WBS Cost Elements:	Contractor and Location		Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>BAE Lightweight 155mm Howitzer</b>											
FY 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			
<b>Watervliet Arsenal Cannon</b>											
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			
<b>Primer Feed Mechanism</b>											
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			
<b>Optical Fire Control</b>											
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 10 / 11 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE HOWITZER LT WT 155MM (T) (G01700)										Date: February 2011										
COST ELEMENTS						Fiscal Year 10										Fiscal Year 11										Later				
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10										Calendar Year 11														
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP
BAE Lightweight 155mm Howitzer																														
1	FY 08	A	203	98	105	7	7	6	10	10	10	10	10	10	10	10	5												0	
1	FY 08	MC	100	84	16	7	5	4																					0	
1	FY 09	TOT	38	0	38													5	5	5	5	5	5	5	5	3			0	
1	FY 09	MC	62	0	62													5	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	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															A									14	
1	FY 11	MC	22	0	22															A									22	
Total																														
						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-Fumess, UK	48	192	192		1	Initial	0	1	11	12	
							Reorder	0	3	20	23	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 12 / 13 BUDGET PRODUCTION SCHEDULE												P-1 ITEM NOMENCLATURE HOWITZER LT WT 155MM (T) (G01700)										Date: February 2011									
COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later	
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
BAE Lightweight 155mm Howitzer																															
1	FY 08	A	203	203																									0		
1	FY 08	MC	100	100																									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	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											2	5	5	2										0		
1	FY 11	MC	22	0	22											2	5	5	8	2									0		
Total						142	10	10	10	10	10	10	10	10	10	10	10	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		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-Fumess, UK	48	192	192		1	Initial	0	1	11	12	
							Reorder	0	3	20	23	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					