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**Exhibit P-40, Budget Line Item Justification:** PB 2020 Army **Date:** March 2019

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 45: Rockets **P-1 Line Item Number / Title:** 2348EA4000 / Shoulder Launched Munitions, All Types

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	490.029	30.000	21.295	-	75.054	75.054	83.168	67.106	44.107	60.939	-	871.698
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	490.029	30.000	21.295	-	75.054	75.054	83.168	67.106	44.107	60.939	-	871.698
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>490.029</b>	<b>30.000</b>	<b>21.295</b>	-	<b>75.054</b>	<b>75.054</b>	<b>83.168</b>	<b>67.106</b>	<b>44.107</b>	<b>60.939</b>	-	<b>871.698</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	37,364.14	24,975.65	238,042.97	-	228,312.73

**Description:**

FY 2020 funding totals include \$0.0M for Base and \$75.054M for Overseas Contingency Operations (OCO); of which \$74.878M supporting the procurement of 6 variants of Shoulder Launched Munitions is realigned as part of the OCO for Base Requirements. FY 2020 OCO for Base Requirements is OCO funding for base budget requirements in support of the National Defense Strategy. The Budget requests these funds in OCO to comply with the base budget defense caps included in the Budget Control Act of 2011.

This budget line includes Shoulder Launched Munitions, All Types.

(E36101) Launcher and Cartridge 84MM M136A1 (AT4CS-RS) - The AT4 is the Army's primary shoulder launched, lightweight, anti-armor weapon. The AT4-Confined Space (CS) weapon is a safety enhanced version of the M136 AT4 Weapon. The AT4-CS is a self-contained weapon consisting of a free-flight, fin-stabilized, rocket packed in an expendable, 1-piece launch tube. The recoilless design permits accurate delivery of the 84mm high explosive Anti-Armor warhead out to 250 meters. The AT4-CS incorporates a safety modification to the propulsion system that significantly reduces the weapon's back blast and launch signature. This will allow the user to safely fire the weapon from a protected area or enclosed space during close combat operations. This item is Code A, approved for service use.

(E36403) CTG, 7.62MM Tracer, F/SUBCAL ADPTR CARL GUSTAF - The 7.62 mm 553B Sub-Caliber Adapter makes it possible to raise the level of proficiency and reduce training costs to a low level both at the firing range and during live firing exercises. This item is Code A, approved for service use.

(E36404) CTG, Gun, HEDP 502, 84MM CARL GUSTAF (MAAWS) - Multi-Role Anti-Armor Anti-Personnel Weapon System (MAAWS) for rapid response forces that must have the ability to combat many types of threat, the 84 mm HEDP 502 (High Explosive Dual Purpose) is effective against light-armored vehicles, concrete and brick walls, field fortifications, and bunkers. This item is Code A, approved for service use.

(E36405) CTG, Gun, HE 441D, 84MM CARL GUSTAF (MAAWS) - Multi-Role Anti-Armor Anti-Personnel Weapon System (MAAWS) for combating troops in the open, behind cover, or in slit trenches as well as soft-skinned vehicles and similar types of targets, the 84 mm HE 441D (High Explosive) can be set for impact or air burst detonation. This item is Code A, approved for service use.

(E36406) CTG, Gun, TGT PRAC-TR 141, 84MM CARL GUSTAF (MAAWS) - The 84 mm TPT 141 (Target Practice Tracer) is the ideal training round for reducing training costs but still retaining the right weapon "feel" and live firing experience. This item is Code A, approved for service use.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 Army		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 45: Rockets		<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E36901) ROCKET, PRACTICE, 21MM SUBCALIBER for Shoulder Launched Munitions (SLM) simulates the firing of unguided shoulder fired munitions. It simulates the tactical munitions flight trajectory, but with less noise and backblast. It is currently used by Navy and Marine Corps to simulate the M72 Light Anti-tank Weapon System (LAW). It has also been adapted to the M141 Bunker Defeat Munition (BDM) and is used in New Equipment Training (NET)/Mobile Training Teams (MTT). This item is Code A, approved for service use.</p> <p>(E88401) The Bunker Defeat Munition (BDM) is a single-shot, disposable, shoulder launched rocket propelled munition used to defeat earth and timber field fortifications (bunkers) out to 250 meters. The system also defeats lightly armored vehicles and breaches masonry walls using its 83 millimeter high explosive, dual-purpose rocket. The item is Code A, approved for service use.</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2020 Army **Date:** March 2019

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 45: Rockets **P-1 Line Item Number / Title:** 2348EA4000 / Shoulder Launched Munitions, All Types

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E36101 / MUNITION, 84mm Shldr Lnchd, AT-4CS(Confined Space) [CA30]	P-5a, P-21	A		- / 171.696	- / -	- / 0.450	- / -	- / 40.774	- / 40.774
P-5	E36403 / CTG, 7.62mm w/Tracer f/SUBCAL ADPTR553B CARLGSTF [A254]		A		- / 1.000	- / -	- / 0.352	- / -	- / 0.176	- / 0.176
P-5	E36404 / CTG, 84mm Gun, HEDP 502, CARLGSTF (MAAWS) [CA21]		A		- / 4.500	- / 1.500	- / 2.927	- / -	- / 1.497	- / 1.497
P-5	E36405 / CTG, 84mm Gun, HE 441D IM, CARLGSTF (MAAWS) [CA27]		A		- / 4.500	- / 1.100	- / 0.992	- / -	- / 1.000	- / 1.000
P-5	E36406 / CTG, 84mm Gun, TGT PRAC-TR 141, CARLGSTF (MAAWS) [CA10]		A		- / 4.500	- / 0.400	- / 0.497	- / -	- / 0.497	- / 0.497
P-5	E36901 / ROCKET, 21mm Subcaliber Practice Trainer, f/SLM [HA21]		A		- / 7.508	- / -	- / 1.527	- / -	- / 2.402	- / 2.402
P-5	E88401 / MUNITION, 83mm Bunker Defeat(BDM), Rkt&Lnchr, M141 [HA08]	P-5a, P-21	A		- / 296.325	- / 27.000	- / 14.550	- / -	- / 28.708	- / 28.708
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 490.029</b>	<b>- / 30.000</b>	<b>- / 21.295</b>	<b>- / -</b>	<b>- / 75.054</b>	<b>- / 75.054</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

The FY 2020 Budget supports critical Army Title 10 war reserve/operational, training, and test requirements in accordance with Department of Defense Instruction 3000.04 (Munitions Requirements Process) and Army Regulation 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support Office of the Secretary of Defense (OSD) approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

FY 2020 funding totals include \$0.0M for Base and \$75.054 million for Overseas Contingency Operations, supporting the procurement of 6 variants of Shoulder Launched Munitions for \$74.878 million realigned as part of the OCO for Base Requirements funding which reflects the Department's compliance with the Budget Control Act of 2011.

FY 2020 Overseas Contingency Operations funding also includes \$0.176 million, with a quantity of 58,279 rounds for OCO for Enduring Requirements.

(E36101) Launcher and Cartridge 84MM M136A1 (AT4CS-RS) - This is a training standard used in both training and combat. The FY 2020 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goal. FY 2020 OCO for Base Requirements procurement dollars in the amount of \$40.774 million supports the procurement of 9,101 Rounds. Type Classification Date: 2009

(E36403) CTG, 7.62MM TRACER 553 F/SUBCAL ADAPTR CARL GUSTAF - This is a training unique item not used in combat. The FY 2020 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2020 OCO for Enduring Requirements dollars in the amount of \$0.176 million supports the COCOM requirement for procurement of 58,279 Rounds to deter potential adversaries and support the European Deterrence Initiative. Type Classification Date: 2017

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2020 Army		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 45: Rockets		<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(E36404) CTG, Gun, HEDP 502, 84MM CARL GUSTAF (MAAWS) - This is a training standard item used in both training and combat. The FY 2020 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goal. FY 2020 OCO for Base Requirements procurement dollars in the amount of \$1.497 million supports the procurement of 304 Rounds. Type Classification Date: 2017</p> <p>(E36405) CTG, Gun, HE 441D, 84MM CARL GUSTAF (MAAWS) - This is a training standard item used in both training and combat. The FY 2020 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goal. FY 2020 OCO for Base Requirements procurement dollars in the amount of \$1.000 million supports the procurement of 205 Rounds. Type Classification Date: 2017</p> <p>(E36406) CTG, Gun, TGT PRAC-TR 141, 84MM CARL GUSTAF (MAAWS) - This is a training unique item not used in combat. The FY 2020 request supports annual training and builds a depot level in accordance with the Army's procurement goal. FY 2020 OCO for Base Requirements procurement dollars in the amount of \$0.497 million supports the procurement of 299 Rounds. Type Classification Date: 2017</p> <p>(E36901) ROCKET, PRACTICE, 21MM SUBCALIBER for Shoulder Launched Munitions (SLM) - This is a training unique item not used in combat. The FY 2020 request supports annual training and builds a depot level in accordance with the Army's procurement goal. FY 2020 OCO for Base Requirements procurement dollars in the amount of \$2.402 million supports the procurement of 14,232 Rounds. Type Classification Date: 1993</p> <p>(E88401) BUNKER DEFEAT MUNITION, 83mm Rocket &amp; Launcher, M141 - This is a training standard item used in both training and combat. The FY FY 2020 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2020 OCO for Base Requirements procurement dollars in the amount of \$28.708 million supports the procurement of 1,637 Rounds. Type Classification Date: 2008</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2020 Army</b>		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45	<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E36101 / MUNITION, 84mm Shldr Lnchd, AT-4CS(Confined Space) [CA30]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	171.696	-	0.450	-	40.774	40.774
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	171.696	-	0.450	-	40.774	40.774
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>171.696</b>	<b>-</b>	<b>0.450</b>	<b>-</b>	<b>40.774</b>	<b>40.774</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2018</b>			<b>FY 2019</b>			<b>FY 2020 Base</b>			<b>FY 2020 OCO</b>			<b>FY 2020 Total</b>		
	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
COMPLETE ROUND <sup>(†)</sup>	18,194.74	9,263	168.538	-	-	-	4,428.84	101	0.447	-	-	-	4,278.33	9,101	38.937	4,278.33	9,101	38.937
<i>Subtotal: Recurring Cost</i>	-	-	168.538	-	-	-	-	-	0.447	-	-	0.000	-	-	38.937	-	-	38.937
<i>Subtotal: Hardware Cost</i>	-	-	<b>168.538</b>	-	-	-	-	-	<b>0.447</b>	-	-	<b>0.000</b>	-	-	<b>38.937</b>	-	-	<b>38.937</b>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	3.158	-	-	-	-	-	0.003	-	-	-	-	-	1.837	-	-	1.837
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>3.158</b>	-	-	-	-	-	<b>0.003</b>	-	-	<b>0.000</b>	-	-	<b>1.837</b>	-	-	<b>1.837</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>171.696</b>	-	-	-	-	-	<b>0.450</b>	-	-	-	-	-	<b>40.774</b>	-	-	<b>40.774</b>

**Remarks:**

Production Engineering increased due to change in planned procurement of AT-4CS munitions.

(†) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2020 Army								<b>Date:</b> March 2019				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45			<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types					<b>Item Number / Title [DODIC]:</b> E36101 / MUNITION, 84mm Shldr Lnchd, AT-4CS(Confined Space) [CA30]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND <sup>(†)</sup>		2019	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	Mar 2019	Sep 2020	101	4,428.84	Y		
COMPLETE ROUND <sup>(†)</sup>	✓	2020	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	Mar 2020	Sep 2021	9,101	4,278.33	Y		

<sup>(†)</sup> indicates the presence of a P-21







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<b>Exhibit P-21, Production Schedule:</b> PB 2020 Army		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45		<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types
		<b>Item Number / Title [DODIC]:</b> E36101 / MUNITION, 84mm Shldr Lnchd, AT-4CS(Confined Space) [CA30]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2020	1-8-5 For 2020	MAX For 2020	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	500	5,000	7,000	8	8	24	32	6	6	18	24

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.  
 "A" in the Delivery Schedule indicates the Contract Award Date.  
**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-5, Cost Analysis: PB 2020 Army</b>		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45	<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E36403 / CTG, 7.62mm w/Tracer f/ SUBCAL ADPTR553B CARLGSTF [A254]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1.000	-	0.352	-	0.176	0.176
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1.000	-	0.352	-	0.176	0.176
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>1.000</b>	<b>-</b>	<b>0.352</b>	<b>-</b>	<b>0.176</b>	<b>0.176</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2018</b>			<b>FY 2019</b>			<b>FY 2020 Base</b>			<b>FY 2020 OCO</b>			<b>FY 2020 Total</b>		
	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
COMPLETE ROUND	-	-	1.000	-	-	-	2.63	133,758	0.352	-	-	-	2.68	58,279	0.156	2.68	58,279	0.156
<i>Subtotal: Recurring Cost</i>	-	-	1.000	-	-	-	-	-	0.352	-	-	0.000	-	-	0.156	-	-	0.156
<i>Subtotal: Hardware Cost</i>	-	-	1.000	-	-	-	-	-	0.352	-	-	0.000	-	-	0.156	-	-	0.156
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.020	-	-	0.020
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	0.020	-	-	0.020
<b>Gross/Weapon System Cost</b>	-	-	1.000	-	-	-	-	-	0.352	-	-	-	-	-	0.176	-	-	0.176

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<b>Exhibit P-5, Cost Analysis: PB 2020 Army</b>													<b>Date:</b> March 2019					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45						<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types						<b>Item Number / Title [DODIC]:</b> E36404 / CTG, 84mm Gun, HEDP 502, CARLGSTF (MAAWS) [CA21]						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A									<b>MDAP/MAIS Code:</b>									
<b>Resource Summary</b>				<b>Prior Years</b>		<b>FY 2018</b>			<b>FY 2019</b>			<b>FY 2020 Base</b>			<b>FY 2020 OCO</b>		<b>FY 2020 Total</b>	
Procurement Quantity (Units in Each)				-		-			-			-			-		-	
Gross/Weapon System Cost (\$ in Millions)				4.500		1.500			2.927			-			1.497		1.497	
Less PY Advance Procurement (\$ in Millions)				-		-			-			-			-		-	
Net Procurement (P-1) (\$ in Millions)				4.500		1.500			2.927			-			1.497		1.497	
Plus CY Advance Procurement (\$ in Millions)				-		-			-			-			-		-	
<b>Total Obligation Authority (\$ in Millions)</b>				<b>4.500</b>		<b>1.500</b>			<b>2.927</b>			<b>-</b>			<b>1.497</b>		<b>1.497</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
Initial Spares (\$ in Millions)				-		-			-			-			-		-	
Gross/Weapon System Unit Cost (\$ in Dollars)				-		-			-			-			-		-	
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2018</b>			<b>FY 2019</b>			<b>FY 2020 Base</b>			<b>FY 2020 OCO</b>			<b>FY 2020 Total</b>		
	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
Hardware Cost																		
Recurring Cost																		
COMPLETE ROUND	4,599.56	834	3.836	4,090.00	216	0.883	4,171.80	637	2.657	-	-	-	4,252.52	304	1.293	4,252.52	304	1.293
<i>Subtotal: Recurring Cost</i>	-	-	3.836	-	-	0.883	-	-	2.657	-	-	0.000	-	-	1.293	-	-	1.293
<i>Subtotal: Hardware Cost</i>	-	-	3.836	-	-	0.883	-	-	2.657	-	-	0.000	-	-	1.293	-	-	1.293
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	-	-	-	0.084	-	-	0.086	-	-	-	-	-	0.033	-	-	0.033
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	0.084	-	-	0.086	-	-	0.000	-	-	0.033	-	-	0.033
Support - Production Engineering Cost																		
Production Engineering	-	-	0.664	-	-	0.532	-	-	0.184	-	-	-	-	-	0.171	-	-	0.171
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.664	-	-	0.532	-	-	0.184	-	-	0.000	-	-	0.171	-	-	0.171
<b>Gross/Weapon System Cost</b>	-	-	4.500	-	-	1.500	-	-	2.927	-	-	-	-	-	1.497	-	-	1.497

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<b>Exhibit P-5, Cost Analysis: PB 2020 Army</b>		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45		<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types
		<b>Item Number / Title [DODIC]:</b> E36405 / CTG, 84mm Gun, HE 441D IM, CARLGSTF (MAAWS) [CA27]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	4.500	1.100	0.992	-	1.000	1.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	4.500	1.100	0.992	-	1.000	1.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>4.500</b>	<b>1.100</b>	<b>0.992</b>	<b>-</b>	<b>1.000</b>	<b>1.000</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
Recurring Cost																		
COMPLETE ROUND	4,599.56	834	3.836	4,028.00	163	0.657	4,108.56	189	0.777	-	-	-	4,188.06	205	0.859	4,188.06	205	0.859
<i>Subtotal: Recurring Cost</i>	-	-	3.836	-	-	0.657	-	-	0.777	-	-	0.000	-	-	0.859	-	-	0.859
<b>Subtotal: Hardware Cost</b>	-	-	<b>3.836</b>	-	-	<b>0.657</b>	-	-	<b>0.777</b>	-	-	<b>0.000</b>	-	-	<b>0.859</b>	-	-	<b>0.859</b>
<b>Support - Acceptance Testing Cost</b>																		
Acceptance Test	-	-	-	-	-	0.091	-	-	0.092	-	-	-	-	-	0.026	-	-	0.026
<i>Subtotal: Support - Acceptance Testing Cost</i>	-	-	-	-	-	<b>0.091</b>	-	-	<b>0.092</b>	-	-	<b>0.000</b>	-	-	<b>0.026</b>	-	-	<b>0.026</b>
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.664	-	-	0.353	-	-	0.123	-	-	-	-	-	0.115	-	-	0.115
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<b>0.664</b>	-	-	<b>0.353</b>	-	-	<b>0.123</b>	-	-	<b>0.000</b>	-	-	<b>0.115</b>	-	-	<b>0.115</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>4.500</b>	-	-	<b>1.100</b>	-	-	<b>0.992</b>	-	-	-	-	-	<b>1.000</b>	-	-	<b>1.000</b>

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<b>Exhibit P-5, Cost Analysis: PB 2020 Army</b>		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45		<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types
		<b>Item Number / Title [DODIC]:</b> E36406 / CTG, 84mm Gun, TGT PRAC-TR 141, CARLGSTF (MAAWS) [CA10]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	4.500	0.400	0.497	-	0.497	0.497
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	4.500	0.400	0.497	-	0.497	0.497
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>4.500</b>	<b>0.400</b>	<b>0.497</b>	<b>-</b>	<b>0.497</b>	<b>0.497</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
COMPLETE ROUND	615.65	6,233	3.837	1,406.00	134	0.188	1,434.12	279	0.400	-	-	-	1,461.87	299	0.437	1,461.87	299	0.437
Subtotal: Recurring Cost	-	-	3.837	-	-	0.188	-	-	0.400	-	-	0.000	-	-	0.437	-	-	0.437
Subtotal: Hardware Cost	-	-	3.837	-	-	0.188	-	-	0.400	-	-	0.000	-	-	0.437	-	-	0.437
Support - Acceptance Testing Cost																		
Acceptance Test	-	-	-	-	-	0.034	-	-	0.035	-	-	-	-	-	0.003	-	-	0.003
Subtotal: Support - Acceptance Testing Cost	-	-	-	-	-	0.034	-	-	0.035	-	-	0.000	-	-	0.003	-	-	0.003
Support - Production Engineering Cost																		
Production Engineering	-	-	0.663	-	-	0.177	-	-	0.062	-	-	-	-	-	0.057	-	-	0.057
Subtotal: Support - Production Engineering Cost	-	-	0.663	-	-	0.177	-	-	0.062	-	-	0.000	-	-	0.057	-	-	0.057
<b>Gross/Weapon System Cost</b>	<b>-</b>	<b>-</b>	<b>4.500</b>	<b>-</b>	<b>-</b>	<b>0.400</b>	<b>-</b>	<b>-</b>	<b>0.497</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.497</b>	<b>-</b>	<b>-</b>	<b>0.497</b>

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<b>Exhibit P-5, Cost Analysis: PB 2020 Army</b>		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45	<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E36901 / ROCKET, 21mm Subcaliber Practice Trainer, f/SLM [HA21]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	7.508	-	1.527	-	2.402	2.402
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	7.508	-	1.527	-	2.402	2.402
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>7.508</b>	<b>-</b>	<b>1.527</b>	<b>-</b>	<b>2.402</b>	<b>2.402</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2018</b>			<b>FY 2019</b>			<b>FY 2020 Base</b>			<b>FY 2020 OCO</b>			<b>FY 2020 Total</b>		
	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Complete Round	360.53	19,005	6.852	-	-	-	155.64	8,628	1.343	-	-	-	158.65	14,232	2.258	158.65	14,232	2.258
<i>Subtotal: Recurring Cost</i>	-	-	6.852	-	-	-	-	-	1.343	-	-	0.000	-	-	2.258	-	-	2.258
<i>Subtotal: Hardware Cost</i>	-	-	6.852	-	-	-	-	-	1.343	-	-	0.000	-	-	2.258	-	-	2.258
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	0.656	-	-	-	-	-	0.184	-	-	-	-	-	0.144	-	-	0.144
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	0.656	-	-	-	-	-	0.184	-	-	0.000	-	-	0.144	-	-	0.144
<b>Gross/Weapon System Cost</b>	-	-	7.508	-	-	-	-	-	1.527	-	-	-	-	-	2.402	-	-	2.402

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<b>Exhibit P-5, Cost Analysis: PB 2020 Army</b>		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45	<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types	<b>Item Number / Title [DODIC]:</b> E88401 / MUNITION, 83mm Bunker Defeat(BDM), Rkt&Lnchr, M141 [HA08]

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	296.325	27.000	14.550	-	28.708	28.708
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	296.325	27.000	14.550	-	28.708	28.708
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>296.325</b>	<b>27.000</b>	<b>14.550</b>	<b>-</b>	<b>28.708</b>	<b>28.708</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2018</b>			<b>FY 2019</b>			<b>FY 2020 Base</b>			<b>FY 2020 OCO</b>			<b>FY 2020 Total</b>		
	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
BUNKER DEFEAT MUNITION (BDM) <sup>(†)</sup>	144,512.56	2,041	294.950	15,583.22	1,680	26.180	15,894.89	914	14.528	-	-	-	16,534.40	1,637	27.067	16,534.40	1,637	27.067
<i>Subtotal: Recurring Cost</i>	-	-	294.950	-	-	26.180	-	-	14.528	-	-	0.000	-	-	27.067	-	-	27.067
<i>Subtotal: Hardware Cost</i>	-	-	294.950	-	-	26.180	-	-	14.528	-	-	0.000	-	-	27.067	-	-	27.067
<b>Support - Production Engineering Cost</b>																		
Production Engineering	-	-	1.374	-	-	0.820	-	-	0.022	-	-	-	-	-	1.641	-	-	1.641
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	1.374	-	-	0.820	-	-	0.022	-	-	0.000	-	-	1.641	-	-	1.641
<b>Gross/Weapon System Cost</b>	-	-	296.325	-	-	27.000	-	-	14.550	-	-	-	-	-	28.708	-	-	28.708

**Remarks:**

Production Engineering increased due to change in planned procurement of BDM munitions.

(†) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2020 Army							<b>Date:</b> March 2019					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45			<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types				<b>Item Number / Title [DODIC]:</b> E88401 / MUNITION, 83mm Bunker Defeat(BDM), Rkt&Lnchr, M141 [HA08]					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
BUNKER DEFEAT MUNITION (BDM) <sup>(†)</sup>		2018	TO BE SELECTED / TBS01	C / FPIF	PICATINNY ARSENAL, NJ	Mar 2019	Jun 2020	1,680	15,583.22	Y		
BUNKER DEFEAT MUNITION (BDM) <sup>(†)</sup>		2019	TO BE SELECTED / TBS01	C / FPIF	PICATINNY ARSENAL, NJ	Mar 2019	Jun 2020	914	15,894.89	Y		
BUNKER DEFEAT MUNITION (BDM) <sup>(†)</sup>	✓	2020	TO BE SELECTED / TBS01	C / FPIF	PICATINNY ARSENAL, NJ	Mar 2020	Jun 2021	1,637	16,534.40	Y		

<sup>(†)</sup> indicates the presence of a P-21





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<b>Exhibit P-21, Production Schedule:</b> PB 2020 Army															<b>Date:</b> March 2019														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45										<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types										<b>Item Number / Title [DODIC]:</b> E88401 / MUNITION, 83mm Bunker Defeat(BDM), Rkt&Lnchr, M141 [HA08]									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2021													Fiscal Year 2022													B A L A N C E			
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021													Calendar Year 2022														
							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				
BUNKER DEFEAT MUNITION (BDM)																																		
Prior Years Deliveries: 2041																																		
	1	2018	ARMY	1,680	616	1,064	133	133	133	133	133	133	133	133																				0
	1	2019	ARMY	914	514	400	50	50	50	50	50	50	50	50																				0
✓	1	2020	ARMY	1,637	0	1,637	-	-	-	-	-	-	-	-	700	700	237																	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				

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<b>Exhibit P-21, Production Schedule:</b> PB 2020 Army		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 45		<b>P-1 Line Item Number / Title:</b> 2348EA4000 / Shoulder Launched Munitions, All Types
		<b>Item Number / Title [DODIC]:</b> E88401 / MUNITION, 83mm Bunker Defeat(BDM), Rkt&Lnchr, M141 [HA08]

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2020	1-8-5 For 2020	MAX For 2020	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TO BE SELECTED - TBS01	100	700	1,400	8	8	18	26	6	6	15	21

"A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).