

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2008

BUDGET ACTIVITY 5 - System Development and Demonstration		PE NUMBER AND TITLE 0604604A - MEDIUM TACTICAL VEHICLES						PROJECT H07	
COST (In Thousands)	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total Cost
H07 FAMILY OF MED TAC VEH	12469	6354	1949	1798	1862	1842	1887	Continuing	Continuing

A. Mission Description and Budget Item Justification: This program element supports continued modernization of the Army's medium truck fleet and the Armored Security Vehicle (ASV). In the medium fleet, the Family of Medium Tactical Vehicles (FMTV) replaces aging M35 2 1/2-ton trucks, and M809 and M900 Series 5-ton trucks that are beyond their economic useful life of 20-22 years. FMTV fills 2 1/2-ton Light Medium Tactical Vehicle (LMTV) and 5-ton truck Medium Tactical Vehicle (MTV) requirements, performs over 55% of the Army's local and line haul, and unit resupply missions, and operates throughout the theater as multi-purpose transportation vehicles in combat, combat support and combat service support units. The ASV is an all-wheel drive armored vehicle that provides ballistic protection, overhead protection and protection against landmines. It is used by the Military Police to perform missions of area security, maneuver and mobility support, police intelligence, and law and order across the entire operational continuum. It is also being used as a Convoy Protection Platform for Combat Support and Combat Service Support units. This PE funds government technical insertion initiatives that will feed into implementation of the Tactical Wheeled Vehicle (TWV) Modernization Strategy and the TWV Armoring Strategy as a bridge to future tactical vehicle efforts. This PE allows the PM to leverage technology and address capability gaps in performance and reliability as identified by the user community and reported in the field. FY09 funding will be used to continue Technology Insertion and address field issues requiring RDT&E funds to do so.

<u>Accomplishments/Planned Program:</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Demonstrator/Prototype Development	6429		
Demonstrator/Prototype Test	524		
Embedded Diagnostics	2807	1546	
Technological Evaluation, Testing & Insertion	1786	4630	1949
Other	560		
Small Business Innovative Research/Small Business Technical Transfer Program	363	178	
Total	12469	6354	1949

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2008

BUDGET ACTIVITY 5 - System Development and Demonstration	PE NUMBER AND TITLE 0604604A - MEDIUM TACTICAL VEHICLES	PROJECT H07
--	---	-----------------------

<u>B. Program Change Summary</u>	FY 2007	FY 2008	FY 2009
Previous President's Budget (FY 2008/2009)	12881	1994	1942
Current BES/President's Budget (FY 2009)	12469	6354	1949
Total Adjustments	-412	4360	7
Congressional Program Reductions			
Congressional Rescissions	-49	-40	
Congressional Increases		4400	
Reprogrammings			
SBIR/STTR Transfer	-363		
Adjustments to Budget Years			

<u>C. Other Program Funding Summary</u>	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Compl	Total Cost
OPA1 Family of Medium Tactical Vehicles (D15500)	3090014	1986230	944687	1764673	1014807	1124769	859266	Continuing	Continuing

Comment:

D. Acquisition Strategy Contractual efforts will be on a Fixed Price or Cost Plus Fixed Fee (Level of Effort) basis. The procurement of vehicle platforms will use a new sole source contact in FY 2008 with a competitive multiyear contract being awarded in FY 2009.

ARMY RDT&E COST ANALYSIS (R3)

February 2008

BUDGET ACTIVITY			PE NUMBER AND TITLE							PROJECT		
5 - System Development and Demonstration			0604604A - MEDIUM TACTICAL VEHICLES							H07		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Demonstrator/Prototype Development	SS-FFP	Stewart & Stevenson, Sealy, TX	5442	2019	2Q						7461	
Demonstrator/Prototype Development	SS-CPFF	Stewart & Stevenson, Sealy, TX	15157	4410	3Q						19567	
Embedded Diagnostics	C-CPFF	Stewart & Stevenson, Sealy, TX	3744	2807	2Q	1546	2-3Q				8097	
Technological Evaluation and Insertion	SS-CPFF	Stewart & Stevenson, Sealy, TX		1786	2Q	4630	3-4Q	1949	2Q		8365	
Other	Various or MIPR/PO		2344	560	2-4Q						2904	
SBIR/STTR	N/A			363	1Q	178					541	
Subtotal:			26687	11945		6354		1949			46935	
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:												
Remarks: Not Applicable												
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Demonstrator/Engine	MIPR/PO	Yuma Proving Ground, AZ	2210	524	4Q						2734	
Subtotal:			2210	524							2734	

ARMY RDT&E COST ANALYSIS (R3)

February 2008

BUDGET ACTIVITY
5 - System Development and Demonstration

PE NUMBER AND TITLE
0604604A - MEDIUM TACTICAL VEHICLES

PROJECT
H07

IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:												

Remarks: Not Applicable

Project Total Cost:	28897	12469		6354		1949					49669	
----------------------------	--------------	--------------	--	-------------	--	-------------	--	--	--	--	--------------	--

Schedule Profile (R4 Exhibit)

February 2008

BUDGET ACTIVITY
5 - System Development and Demonstration

PE NUMBER AND TITLE
0604604A - MEDIUM TACTICAL VEHICLES

PROJECT
H07

Event Name	FY 07				FY 08				FY 09				FY 10				FY 11				FY 12				FY 13			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
RESEARCH, DEVELOPMENT, TEST & EVALUATION																												
10 Ton Dump LUT																												
Demonstrator / Prototype Development																												
Technology Insertion																												
PROCUREMENT																												
Current Production																												
Competitive Rebuy & Follow-on Production																												

Schedule Detail (R4a Exhibit)

February 2008

BUDGET ACTIVITY
5 - System Development and Demonstration

PE NUMBER AND TITLE
0604604A - MEDIUM TACTICAL VEHICLES

PROJECT
H07

<u>Schedule Detail</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>
RESEARCH, DEVELOPMENT, TEST & EVALUATION							
ExVan - LUT							
Load Handling System (LHS) - LUT							
10 Ton Dump LUT	4Q						
Demonstrator / Prototype Development	1Q - 4Q						
Technology Insertion	1Q - 4Q						
PROCUREMENT							
Current Production	1Q - 4Q	1Q - 4Q	1Q - 4Q	1Q - 4Q	1Q - 2Q		
Competitive Rebuy & Follow-on Production				4Q	1Q - 4Q	1Q - 4Q	1Q - 4Q