

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)							June 2001				
BUDGET ACTIVITY 5 - ENG MANUFACTURING DEV				PE NUMBER AND TITLE 0604604A - MEDIUM TACTICAL VEHICLES				PROJECT H07			
COST (In Thousands)		FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
H07	FAMILY OF MED TAC VEH	1905	1942	1962	0	0	0	0	0	0	0
<p><u>A. Mission Description and Budget Item Justification:</u></p> <p><u>PLEASE NOTE:</u> This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p> <p>This program element supports continued modernization of the Army's medium truck fleet. The Family of Medium Tactical Vehicles (FMTV) replaces aging M44 Series 2 1/2 ton trucks and M39 and M809 Series 5 ton trucks that are beyond their average useful life of 20-22 years. FMTV also provides a follow-on to the M939/A2 Series 5 ton truck. FMTV is required to fill 2 ½ (LMTV) and 5 ton truck (MTV) requirements, resolve operational deficiencies and operate throughout the theater as multi-purpose transportation vehicles used by combat, combat support and combat service support units. This system is designed to be rapidly deployable worldwide and operate on primary and secondary roads, trails, and cross-country terrain in all climatic conditions. The funds will support continuous product improvements, technological upgrades and new capabilities for FMTV. Funding will be used to develop a lighter dump body with improved wear characteristics; develop an improved survivability cab for the safety of the soldier; study/analyze and build/test prototype of an alternative Load Handling System (LHS); insert electrical power management/technology; improve corrosion prevention; develop an alternative propulsion system; develop active suspension system and further vehicle component improvement.</p> <p>This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP)</p> <p><u>FY 2000 Accomplishments</u></p> <ul style="list-style-type: none"> • 1184 Power Management/Technology Insertion - Next Generation Electrical Architecture • 393 Load Handling System Development (LHS) • 255 Dump Bed Design Initiatives • 73 Cab Survivability Improvement <p>Total 1905</p>											

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PROJECT

H07**FY 2001 Planned Program**

- 350 Power Management/Technology Insertion - Next Generation Electrical Architecture
- 717 Load Handling System (LHS)
- 250 Dump Bed Design Initiatives
- 250 Cab Survivability Improvement (CSI) - Cargo Bed Protection
- 144 Vehicle Component Improvements
- 73 Trailer CAMEL Testing
- 100 Corrosion Prevention Initiatives
- 58 SBIR/STTR

Total 1942

FY 2002 Planned Program

- 50 Power Management/Technology Insertion - Next Generation Electrical Architecture
- 1250 Load Handling System (LHS)
- 100 Dump Bed Design Initiatives
- 300 Cab Survivability Improvement (CSI) - Cargo Bed Protection
- 200 Vehicle Component Improvements
- 62 Corrosion Prevention Initiatives

Total 1962

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<u>B. Program Change Summary</u>	FY 2000	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY2001 PB)	1958	1959	1953	0
Appropriated Value	1973	1959	0	0
Adjustments to Appropriated Value	0	0	0	0
a. Congressional General Reductions	0	0	0	0
b. SBIR / STTR	-53	0	0	0
c. Omnibus or Other Above Threshold Reduction	-8	0	0	0
d. Below Threshold Reprogramming	0	0	0	0
e. Rescissions	-7	-17	0	0
Adjustments to Budget Years Since FY2001 PB	0	0	9	0
Current Budget Submit (FY 2002/2003 PB)	1905	1942	1962	0

<u>C. Other Program Funding Summary</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Compl	Total Cost
OPA1 Family of Medium Tactical Vehicles (D15500)	423614	471199	467386	0	0	0	0	0	0	0

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D. Acquisition Strategy: The contractual efforts will option to current contracts that are based on Time and Material (T&M).

E. Schedule Profile

	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
Ballistic/Mine Protection (Ballistic Testing)				0	0	0	0	0
FMTV - Load Handling System (LHS) - Developmental Testing and Evaluation			2-3Q	0	0	0	0	0

ARMY RDT&E COST ANALYSIS(R-3)									June 2001			
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I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Power Management/Technology Insertion	PO	TACOM, Warren, MI	1005	100	2-3Q	50	2-3Q	0	0	0	0	0
b . Load Handling System (LHS)	C-T&M	S&S, Sealy, TX	393	717	2-3Q	670	1-3Q	0	0	0	0	0
c . Dump Bed Design Initiatives/Load Sensor	PO	TACOM, Warren, MI	255	250	2-3Q	100	2Q	0	0	0	0	0
d . Cab Survivability Impr. (FMTV)	PO	TACOM, Warren MI	0	250	3Q	300	2Q	0	0	0	0	0
e . Corrosion Prevention Initiatives	C-T&M	S&S, Sealy, TX	0	100	2-3Q	62	2-3Q	0	0	0	0	0
f . Vehicle Component Improvements	C-T&M	TBD	0	144	2-3Q	200	2Q	0	0	0	0	0
g . Trailer CAMEL Modeling	C-T&M	S&S, Sealy, TX	0	73	2Q	0		0	0	0	0	0
h . Active Suspension System	PO	TACOM, Warren MI	0	0		0		0	0	0	0	0
i . Alternative Propulsion System	PO	TACOM, Warren MI	0	0		0		0	0	0	0	0

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I. Product Development (continued)	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			1653	1634		1382		0		0	0	0
II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Cab Survivability Improvements (FMTV)		TACOM, Warren, MI	73	0		0		0	0	0	0	0
b . Power Management/Technology Insertion		TACOM, Warren, MI	179	0		0		0	0	0	0	0
Subtotal:			252	0		0		0		0	0	0

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III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Load Handling System	PO	Aberdeen Proving Grounds, MD	0	0		580	1-3Q	0	0	0	0	0
b . Power Management/Technology Insertion	C-T&M	Camber, Warren, MI	0	308	2-3Q	0		0	0	0	0	0
c . Cab Survivability Impr. (FMTV)	PO	Aberdeen Proving Grounds, MD	0	0		0		0	0	0	0	0
Subtotal:			0	308		580		0		0	0	0
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0	0		0		0		0	0	0
Remarks: Not Applicable												
Project Total Cost:			1905	1942		1962		0		0	0	0