



Selected Acquisition Report (SAR)

RCS: DD-A&T(Q&A)823-746



FMTV

As of December 31, 2011

Defense Acquisition Management
Information Retrieval
(DAMIR)

UNCLASSIFIED

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Program Information

Designation And Nomenclature (Popular Name)

Family of Medium Tactical Vehicles (FMTV)

DoD Component

Army

Responsible Office

Responsible Office

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Date Assigned August 7, 2009

References

SAR Baseline (Production Estimate)

Army Acquisition Executive (AAE) Approved Acquisition Program Baseline (APB) dated September 11, 1995

Approved APB

Army Acquisition Executive (AAE) Approved Acquisition Program Baseline (APB) dated May 25, 2003

Mission and Description

The Family of Medium Tactical Vehicles (FMTV) is a complete series of trucks based on a common chassis, that vary by payload and mission. The Light Medium Tactical Vehicle (LMTV) has a 2-1/2 ton capacity consisting of cargo and van models. The Medium Tactical Vehicle (MTV) has a 5-ton capacity and consists of cargo, tractor, van, wrecker, load handling system and dump truck models. Sub-variants provide Air Drop capability for contingency and rapid deployment operations. Commonality between variants significantly reduces operational and support costs. The FMTV is intended to replace obsolete and maintenance-intensive trucks currently in the fleet. The FMTV performs over 55% of the Army's local and line haul, unit mobility, unit resupply, and other missions in combat, combat support, and combat service support units. The system is designed to be rapidly deployable worldwide and operate on primary and secondary roads, trails, and cross-country terrain, in all climatic conditions. Extended applications of the FMTV include support to other Army requirements such as: High Mobility Artillery Rocket System (HIMARS); Warfighter Information Network – Tactical (WIN-T); Patriot; Aviation Ground Support Equipment (AGSE); Chemical and Biological Protection Shelter (CBPS); Medium Extended Air Defense System (MEADS); CAMEL II Unit Water Pod System; Terminal High Altitude Area Defense (THAAD); and EQ-36 Fire Finder Radar. The FMTV A1P2 is the configuration currently in production. These new vehicles will be manufactured to adhere to the US Army Long Term Armor Strategy (LTAS) configuration, which is designed to accept an adaptable armor system, allowing protection to be increased or decreased based on specific threat levels encountered in theater.

Executive Summary

The Long Term Armor Strategy (LTAS) cab configuration, with B-Kit, was introduced in a production contract with British Aerospace Engineering (BAE) Tactical Vehicle Systems in March 2008, creating the A1P2 model of the FMTV. The first A1P2 vehicles were fielded to Ft. Polk in May 2009, with the first theater shipment in the fourth quarter of FY 2009.

A sole source award was made to BAE Tactical Vehicle Systems for FMTV A1P2s in May 2008, followed by the exercise of an option. Of the 20,000 total vehicles (trucks plus trailers) that could be procured under the Bridge contract, all vehicle deliveries were completed by December 2011 and all Armor B-kit deliveries will be completed by March 31, 2012.

A five-year competitive requirements-type contract was awarded to Oshkosh Trucks in August 2009. The incumbent FMTV producer, BAE Systems, and Navistar filed protests with the Government Accountability Office (GAO). On December 14, 2009, the GAO issued its decision sustaining portions of Navistar Defense, Limited Liability Company (LLC) and BAE Systems protests. The stop-work order was lifted in February 2010. Testing of Oshkosh vehicles began in June 2010 and continued through July 2011, not including the M1089 Wrecker. Testing includes live fire to qualify new B-Kits, performance and endurance testing. Impact of Oshkosh Truck pricing on Average Procurement Unit Cost (APUC) and Program Acquisition Unit Cost (PAUC) has been evaluated. The unit cost deltas over the approved baseline have decreased significantly, decreasing the risk of future Acquisition Program Baseline/Nunn-McCurdy breaches.

As of December 31, 2011, 60,742 trucks (of which 19,503 are FMTV A1P2) and 15,135 trailers are in field units. Upcoming fieldings are at various Army National Guard, United States Army Training and Doctrine Command (TRADOC), Reserve units, Ft. Carson, Ft. Hood, Ft. Lewis, and Ft. Stewart.

The official Army Acquisition Objective (AAO) is 83,185 trucks. FMTV funding projected through the Future Years Defense Plan (FYDP) is no longer adequate to procure the AAO. However, we do not expect an impact to the force due to a pending reduction of the FMTV requirement. Estimate quantities are based on funds appropriated but not yet received. Battle loss and washout rates are not addressed.

The first FMTV configuration produced (FMTV A0s) will begin reaching their Economic Useful Life (EUL) age of 20 years in FY 2015. It is impossible to mount effective armor on this original configuration. The Tactical Wheeled Vehicle Strategy states that at the end of a truck's EUL, the truck should be divested or recapitalized to provide the most effective equipment to Soldiers at the lowest possible production and sustainment costs. Our current estimates show that because of the lower unit costs obtained through the competitive re-buy contract awarded in August 2009, procurement of new FMTV A1P2s is more cost effective than recapitalization of an FMTV A0 to an FMTV A1P2.

There are no significant software-related issues with this program at this time.

Threshold Breaches

APB Breaches	
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Schedule		<input type="checkbox"/>
Performance		<input type="checkbox"/>
Cost	RDT&E	<input checked="" type="checkbox"/>
	Procurement	<input type="checkbox"/>
	MILCON	<input type="checkbox"/>
	Acq O&M	<input type="checkbox"/>
Unit Cost	PAUC	<input type="checkbox"/>
	APUC	<input type="checkbox"/>

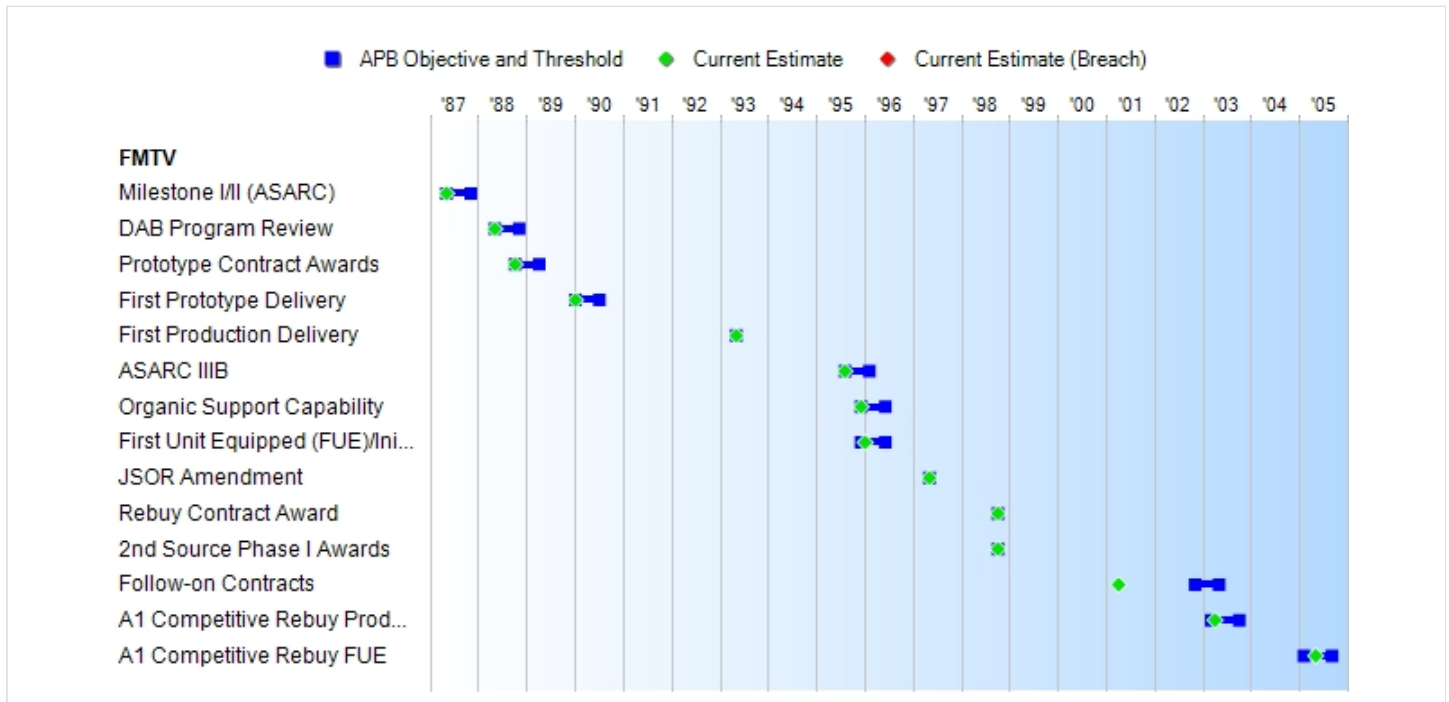
Explanation of Breach

The Research, Development, Test, & Engineering (RDT&E) cost breach was previously reported in December 2006, December 2007, December 2009, and December 2010 SARs. Significant congressional adds have caused the FMTV program to deviate from its approved Acquisition Program Baseline (APB) total RDT&E cost. The FMTV program has congressional support in the continued modernization of the Army's medium truck fleet through advancements in technical insertions. The Product Manager's (PM) current estimate of total RDT&E cost is now \$173.9 million (BY96\$), which exceeds the approved APB RDT&E threshold of \$154.2 million (BY96\$) and is 28% over the approved APB RDT&E objective of \$134.1 million (BY96\$). The RDT&E dollars are not the primary funding for the FMTV program as they constitute only 1% of total program funding. This deviation is not the result of a management failure and is indeed an indication of program success that Congress continues to add money to the program. This deviation does not affect the program's daily operations.

Nunn-McCurdy Breaches	
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Current UCR Baseline		
	PAUC	None
	APUC	None
Original UCR Baseline		
	PAUC	None
	APUC	None

Schedule



Milestones	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate
Milestone I/II (ASARC)	MAY 1987	MAY 1987	NOV 1987	MAY 1987
DAB Program Review	MAY 1988	MAY 1988	NOV 1988	MAY 1988
Prototype Contract Awards	OCT 1988	OCT 1988	APR 1989	OCT 1988
First Prototype Delivery	JAN 1990	JAN 1990	JUL 1990	JAN 1990
First Production Delivery	MAY 1993	N/A	N/A	MAY 1993
ASARC IIIB	AUG 1995	AUG 1995	FEB 1996	AUG 1995
Organic Support Capability	DEC 1995	DEC 1995	JUN 1996	DEC 1995
First Unit Equipped (FUE)/Initial Operational Capability (IOC)-FMTV	DEC 1995	DEC 1995	JUN 1996	JAN 1996
JSOR Amendment	N/A	MAY 1997	MAY 1997	MAY 1997
Rebuy Contract Award	N/A	OCT 1998	OCT 1998	OCT 1998
2nd Source Phase I Awards	N/A	OCT 1998	OCT 1998	OCT 1998
Follow-on Contracts	N/A	NOV 2002	MAY 2003	APR 2001
A1 Competitive Rebuy Production Contract Award	N/A	MAR 2003	OCT 2003	APR 2003
A1 Competitive Rebuy FUE	N/A	FEB 2005	SEP 2005	MAY 2005

Acronyms And Abbreviations

ASARC - Army Systems Acquisition Review Council

DAB - Defense Acquisition Board

JSOR - Joint Service Operational Requirement

Change Explanations

None

Performance

Characteristics	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Demonstrated Performance	Current Estimate	
Highway Speed on 2% Grade at GVW (mph)	55	55	55	54.8	55	
Highway Speed on 3% Grade at GVW (mph)	45	45	45	48.7	45	
Highway Speed on 2% Grade at GCW (mph)	40	40	40	45.5	40	
Highway Speed on 3% Grade at GCW (mph)	30	30	30	35.8	30	
LMTV Payload (tons)	2.5	3.5	2.5	2.5	2.5	
MTV Payload (tons)	5	8	5	5	5	
LHS Payload (tons)	N/A	8.5	7.5	8.8	8.5	
Dump truck Payload (tons)	N/A	10	8	10	10	
LMTV Towed Load (lbs)	7500	12000	12000	12000	12000	
MTV Towed Load (lbs)	21000	21000	21000	21000	21000	
Longitudinal Grade Operation (%)	60	60	60	60	60	
Slide Slope Operation (%)	30	30	30	30	30	
Fording Without Kit (inches)	30	48	30	30	30	
Fording With Kit (inches)	60	N/A	N/A	N/A	N/A	
Operating Range on Integral Fuel at GCW (miles)	300	300	300	300	300	
Reliability:						
MMBHMF (miles)						
Truck, Cargo (LMTV)	3000	10000	10000	6154	8000	(Ch-1)
Truck, Cargo (MTV)	2700	10000	10000	3641	6700	(Ch-1)
Tractor	3300	3800	3800	5714	13000	(Ch-1)
Wrecker	2300	2800	2800	2400	13000	(Ch-1)
Trailer (LMTV)	2800	12000	12000	5000	10000	(Ch-1)
Trailer (MTV)	2600	12000	12000	5000	10000	(Ch-1)
MMBOMF (miles)						
Truck, Cargo (LMTV)	2228	2200	2200	8279	2200	
Truck, Cargo (MTV)	2035	2000	2000	6386	2000	
Tractor	2480	2500	2500	3606	2500	
Wrecker	1875	1900	1900	4720	1900	

Trailer (LMTV)	2056	2100	2100	5000	2100	
Trailer (MTV)	1913	1900	1900	5000	1900	
MMHPOM						
Truck, Cargo (LMTV)	.01	.002	.004	.0033	.003	(Ch-1)
Truck, Cargo (MTV)	.011	.003	.006	.0059	.003	(Ch-2)
Tractor	.012	.0028	.0055	.0060	.007	(Ch-1)
Wrecker	.015	.0032	.0064	.0180	.004	(Ch-1)
Trailer (LMTV)	.003	.0007	.0014	.0003	.0002	(Ch-1)
Trailer (MTV)	.003	.0005	.001	.0006	.0002	(Ch-1)
Transportability:						
Surface Transportation (H,S&R)	H, S&R	H,S&R	H,S&R	H,S&R	H,S&R	
Air Transportation (LMTV)	C-141	N/A	N/A	C-130	C-130	
Air Transportation (MTV)	N/A	C-141, C-130, C-5, C-17	C-141, C-130, C-5, C-17	C-130,C-5,C-17	C-130,C-5,C-17	
Mobility: (vehicle cone index)						
Truck Cargo	25	25	25	25	25	
Truck & Trailer Combination	35	35	35	30	35	

Requirements Source: Operational Requirements Document (ORD) approved March 25, 2003.

Acronyms And Abbreviations

BAE - British Aerospace Engineering
GCW - Gross Combined Weight
GVW - Gross Vehicle Weight
H,S&R - Highway, Ship and Rail
lbs - pounds
LHS - Load Handling System
LMTV - Light Medium Tactical Vehicle
LTAS - Long Term Armor Strategy
MMBHMf - Mean Miles Between Hardware Mission Failure
MMBOMf - Mean Miles Between Operational Mission Failure
MMHPOM - Maintenance Man hours/Operating Mile (Unit Level)
mph - miles per hour
MTV - Medium Tactical Vehicle
OTC - Oshkosh Truck Corporation

Change Explanations

(Ch-1) Change in current estimate are based on as scored test results from OTC Rebuy Test. The following current estimates changed as indicated:

Reliability: MMBHMf (miles)
Truck, Cargo (LMTV) from 10,000 to 8,000

Truck, Cargo (MTV) from 10,000 to 6,700
Tractor from 3,800 to 13,000
Wrecker from 2,800 to 13,000
Trailer (LMTV) from 12,000 to 10,000
Trailer (MTV) from 12,000 to 10,000

Reliability: MMHPOM

Truck, Cargo (LMTV) from .002 to .003
Tractor from .0028 to .007
Wrecker from .0032 to .004
Trailer (LMTV) from .0007 to .0002
Trailer (MTV) from .0005 to .0002

(Ch-2) Change in demonstrated performance based on assessed test results from BAE LTAS Contract

Memo

Demonstrated Reliability, Availability, and Maintainability (RAM) performance values in unchanged blocks reflect older FMTV A1 Production Verification Test (PVT) results, as that was the last time those characteristics were tested. Demonstrated RAM performance results marked as changed are drawn from BAE A1P2 scored/assessed test data. "Current estimate" hardware RAM is from interim scoring of Oshkosh-produced A1P2 trucks in. These are not final numbers. Impacts on Capability Production Document (CPD) RAM objectives will be re-examined upon completion of Oshkosh testing. ORD threshold RAM values will remain unchanged. This table will be updated when final scored/assessed data becomes available. The FMTV CPD is currently in development.

Track To Budget**RDT&E**

APPN 2040	BA 05	PE 0604604A	(Army)
	Project H07	Family of Medium Tactical Vehicles	(Shared)

Procurement

APPN 2035	BA 01	PE 0216301A	(Army)
	ICN D15500	Family Of Medium Tactical Vehicles	
	ICN DS1010	Initial Spares	(Sunk)
	ICN DV0310	Fielding Support	(Sunk)
	ICN DV0320	Project Management Support	(Sunk)

Cost and Funding

Cost Summary

Total Acquisition Cost and Quantity

Appropriation	BY1996 \$M			BY1996 \$M	TY \$M		
	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate	SAR Baseline Prod Est	Current APB Production Objective	Current Estimate
RDT&E	121.8	134.1	154.2	173.9 ¹	115.6	129.6	179.4
Procurement	11472.4	14890.6	17124.2	13800.1	18805.7	19526.5	16586.3
Flyaway	10677.1	--	--	13203.2	17504.7	--	15875.2
Recurring	10677.1	--	--	12455.1	17504.7	--	14994.7
Non Recurring	0.0	--	--	748.1	0.0	--	880.5
Support	795.3	--	--	596.9	1301.0	--	711.1
Other Support	777.3	--	--	591.3	1270.7	--	704.1
Initial Spares	18.0	--	--	5.6	30.3	--	7.0
MILCON	0.0	0.0	--	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	--	0.0	0.0	0.0	0.0
Total	11594.2	15024.7	N/A	13974.0	18921.3	19656.1	16765.7

¹ APB Breach

Quantity	SAR Baseline Prod Est	Current APB Production	Current Estimate
RDT&E	0	0	0
Procurement	85488	83185	80376
Total	85488	83185	80376

The FMTV program consists of trucks and trailers. The quantity reflects trucks only, which are the official unit of measure for the program.

Cost and Funding

Funding Summary

Appropriation and Quantity Summary FY2013 President's Budget / December 2011 SAR (TY\$ M)

Appropriation	Prior	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	To Complete	Total
RDT&E	159.0	4.0	3.0	2.9	2.9	3.8	3.8	0.0	179.4
Procurement	15489.1	434.0	374.4	273.9	2.2	5.4	7.3	0.0	16586.3
MILCON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PB 2013 Total	15648.1	438.0	377.4	276.8	5.1	9.2	11.1	0.0	16765.7
PB 2012 Total	16039.5	448.0	417.5	531.5	524.7	704.6	65.6	0.0	18731.4
Delta	-391.4	-10.0	-40.1	-254.7	-519.6	-695.4	-54.5	0.0	-1965.7

FY 2012 Procurement includes Overseas Contingency Operations (OCO) funding of \$11.1M.

FY 2013 Procurement includes OCO funding of \$28.3M.

Quantity	Undistributed	Prior	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	To Complete	Total
Development	0	0	0	0	0	0	0	0	0	0
Production	0	76839	1389	1298	850	0	0	0	0	80376
PB 2013 Total	0	76839	1389	1298	850	0	0	0	0	80376
PB 2012 Total	0	78659	1503	1509	1781	1811	2576	0	0	87839
Delta	0	-1820	-114	-211	-931	-1811	-2576	0	0	-7463

Cost and Funding

Annual Funding By Appropriation

Annual Funding TY\$

2040 | RDT&E | Research, Development, Test, and Evaluation, Army

Fiscal Year	Quantity	End Item Recurring Flyaway TY \$M	Non End Item Recurring Flyaway TY \$M	Non Recurring Flyaway TY \$M	Total Flyaway TY \$M	Total Support TY \$M	Total Program TY \$M
1988	--	--	--	--	--	--	9.8
1989	--	--	--	--	--	--	27.0
1990	--	--	--	--	--	--	19.5
1991	--	--	--	--	--	--	9.8
1992	--	--	--	--	--	--	10.9
1993	--	--	--	--	--	--	0.7
1994	--	--	--	--	--	--	7.2
1995	--	--	--	--	--	--	4.3
1996	--	--	--	--	--	--	1.5
1997	--	--	--	--	--	--	--
1998	--	--	--	--	--	--	--
1999	--	--	--	--	--	--	--
2000	--	--	--	--	--	--	1.9
2001	--	--	--	--	--	--	2.0
2002	--	--	--	--	--	--	1.9
2003	--	--	--	--	--	--	3.6
2004	--	--	--	--	--	--	4.4
2005	--	--	--	--	--	--	12.5
2006	--	--	--	--	--	--	13.6
2007	--	--	--	--	--	--	12.5
2008	--	--	--	--	--	--	4.6
2009	--	--	--	--	--	--	2.2
2010	--	--	--	--	--	--	5.5
2011	--	--	--	--	--	--	3.6
2012	--	--	--	--	--	--	4.0
2013	--	--	--	--	--	--	3.0
2014	--	--	--	--	--	--	2.9
2015	--	--	--	--	--	--	2.9
2016	--	--	--	--	--	--	3.8
2017	--	--	--	--	--	--	3.8
Subtotal	--	--	--	--	--	--	179.4

Annual Funding BY\$

2040 | RDT&E | Research, Development, Test, and Evaluation, Army

Fiscal Year	Quantity	End Item Recurring Flyaway BY 1996 \$M	Non End Item Recurring Flyaway BY 1996 \$M	Non Recurring Flyaway BY 1996 \$M	Total Flyaway BY 1996 \$M	Total Support BY 1996 \$M	Total Program BY 1996 \$M
1988	--	--	--	--	--	--	12.0
1989	--	--	--	--	--	--	31.8
1990	--	--	--	--	--	--	22.1
1991	--	--	--	--	--	--	10.7
1992	--	--	--	--	--	--	11.6
1993	--	--	--	--	--	--	0.7
1994	--	--	--	--	--	--	7.4
1995	--	--	--	--	--	--	4.3
1996	--	--	--	--	--	--	1.5
1997	--	--	--	--	--	--	--
1998	--	--	--	--	--	--	--
1999	--	--	--	--	--	--	--
2000	--	--	--	--	--	--	1.8
2001	--	--	--	--	--	--	1.9
2002	--	--	--	--	--	--	1.7
2003	--	--	--	--	--	--	3.3
2004	--	--	--	--	--	--	3.9
2005	--	--	--	--	--	--	10.7
2006	--	--	--	--	--	--	11.3
2007	--	--	--	--	--	--	10.2
2008	--	--	--	--	--	--	3.7
2009	--	--	--	--	--	--	1.7
2010	--	--	--	--	--	--	4.3
2011	--	--	--	--	--	--	2.7
2012	--	--	--	--	--	--	3.0
2013	--	--	--	--	--	--	2.2
2014	--	--	--	--	--	--	2.1
2015	--	--	--	--	--	--	2.1
2016	--	--	--	--	--	--	2.6
2017	--	--	--	--	--	--	2.6
Subtotal	--	--	--	--	--	--	173.9

Annual Funding TY\$

2035 | Procurement | Other Procurement, Army

Fiscal Year	Quantity	End Item Recurring Flyaway TY \$M	Non End Item Recurring Flyaway TY \$M	Non Recurring Flyaway TY \$M	Total Flyaway TY \$M	Total Support TY \$M	Total Program TY \$M
1991	394	52.1	--	18.8	70.9	5.3	76.2
1992	1301	147.7	--	9.5	157.2	22.9	180.1
1993	2008	234.2	--	11.9	246.1	11.2	257.3
1994	183	31.1	--	2.6	33.7	6.1	39.8
1995	3351	358.9	--	12.0	370.9	9.3	380.2
1996	825	106.2	--	47.8	154.0	13.2	167.2
1997	1821	219.9	--	5.9	225.8	12.4	238.2
1998	1346	170.9	--	48.1	219.0	10.0	229.0
1999	1439	297.5	--	28.3	325.8	9.9	335.7
2000	1930	368.8	--	29.0	397.8	21.9	419.7
2001	2296	405.9	--	40.9	446.8	10.9	457.7
2002	2404	408.8	--	37.4	446.2	13.6	459.8
2003	3257	577.1	--	50.3	627.4	33.3	660.7
2004	1829	285.7	--	36.2	321.9	40.9	362.8
2005	6167	988.7	--	60.0	1048.7	37.9	1086.6
2006	6116	926.8	--	42.1	968.9	26.6	995.5
2007	14911	2989.3	--	45.0	3034.3	75.9	3110.2
2008	7927	1974.6	--	42.4	2017.0	137.0	2154.0
2009	2764	542.0	--	52.0	594.0	64.2	658.2
2010	7804	1571.2	--	29.8	1601.0	78.7	1679.7
2011	6766	1454.1	--	57.2	1511.3	29.2	1540.5
2012	1389	361.2	--	56.7	417.9	16.1	434.0
2013	1298	303.4	--	57.9	361.3	13.1	374.4
2014	850	218.6	--	43.8	262.4	11.5	273.9
2015	--	--	--	2.2	2.2	--	2.2
2016	--	--	--	5.4	5.4	--	5.4
2017	--	--	--	7.3	7.3	--	7.3
Subtotal	80376	14994.7	--	880.5	15875.2	711.1	16586.3

Annual Funding BY\$

2035 | Procurement | Other Procurement, Army

Fiscal Year	Quantity	End Item Recurring Flyaway BY 1996 \$M	Non End Item Recurring Flyaway BY 1996 \$M	Non Recurring Flyaway BY 1996 \$M	Total Flyaway BY 1996 \$M	Total Support BY 1996 \$M	Total Program BY 1996 \$M
1991	394	55.4	--	20.1	75.5	5.6	81.1
1992	1301	153.9	--	9.9	163.8	23.8	187.6
1993	2008	239.1	--	12.2	251.3	11.4	262.7
1994	183	31.3	--	2.6	33.9	6.2	40.1
1995	3351	354.5	--	11.8	366.3	9.2	375.5
1996	825	103.9	--	46.8	150.7	12.9	163.6
1997	1821	212.7	--	5.7	218.4	12.0	230.4
1998	1346	163.7	--	46.1	209.8	9.6	219.4
1999	1439	281.8	--	26.8	308.6	9.4	318.0
2000	1930	345.5	--	27.1	372.6	20.5	393.1
2001	2296	375.5	--	37.9	413.4	10.1	423.5
2002	2404	373.2	--	34.2	407.4	12.4	419.8
2003	3257	517.9	--	45.2	563.1	29.9	593.0
2004	1829	250.4	--	31.7	282.1	35.8	317.9
2005	6167	842.4	--	51.2	893.6	32.3	925.9
2006	6116	769.2	--	34.9	804.1	22.1	826.2
2007	14911	2422.6	--	36.5	2459.1	61.5	2520.6
2008	7927	1573.7	--	33.8	1607.5	109.2	1716.7
2009	2764	426.3	--	40.9	467.2	50.5	517.7
2010	7804	1212.9	--	23.0	1235.9	60.7	1296.6
2011	6766	1101.4	--	43.3	1144.7	22.1	1166.8
2012	1389	269.0	--	42.3	311.3	11.9	323.2
2013	1298	221.8	--	42.4	264.2	9.5	273.7
2014	850	157.0	--	31.4	188.4	8.3	196.7
2015	--	--	--	1.6	1.6	--	1.6
2016	--	--	--	3.7	3.7	--	3.7
2017	--	--	--	5.0	5.0	--	5.0
Subtotal	80376	12455.1	--	748.1	13203.2	596.9	13800.1

The SAR quantities reported above include customers that count against the FMTV Army Acquisition Objective (i.e., National Guard and Army Reserves) while the P-Forms of the FY 2013 President's Budget (PB13) do not include customer quantities. Also, the SAR quantities represent trucks only, while PB13 accounts for both trucks and trailers.

Low Rate Initial Production

	Initial LRIP Decision	Current Total LRIP
Approval Date	9/30/1991	9/30/1991
Approved Quantity	2583	2583
Reference	Milestone III Army Systems Acquisition Review Council (ASARC)	Milestone III Army Systems Acquisition Review Council (ASARC)
Start Year	1991	1991
End Year	1995	1995

Foreign Military Sales

Country	Date of Sale	Quantity	Total Cost \$M	Memo
Afghanistan		14	4.3	
Canada		2	0.3	
Djibouti		3	0.7	
Greece		4	0.6	
Iraq		49	5.5	
Jordan		115	22.9	
Macedonia		5	0.7	
Saudi Arabia		99	13.5	
Singapore		18	6.5	
Taiwan		33	6.9	
Thailand		117	22.8	
United Arab Emirates		43	15.2	

FMTV Foreign Military Sales through December 31, 2011.

There are various dates of sale for each country listed above. For that reason, the date of sale column is left blank.

Nuclear Cost

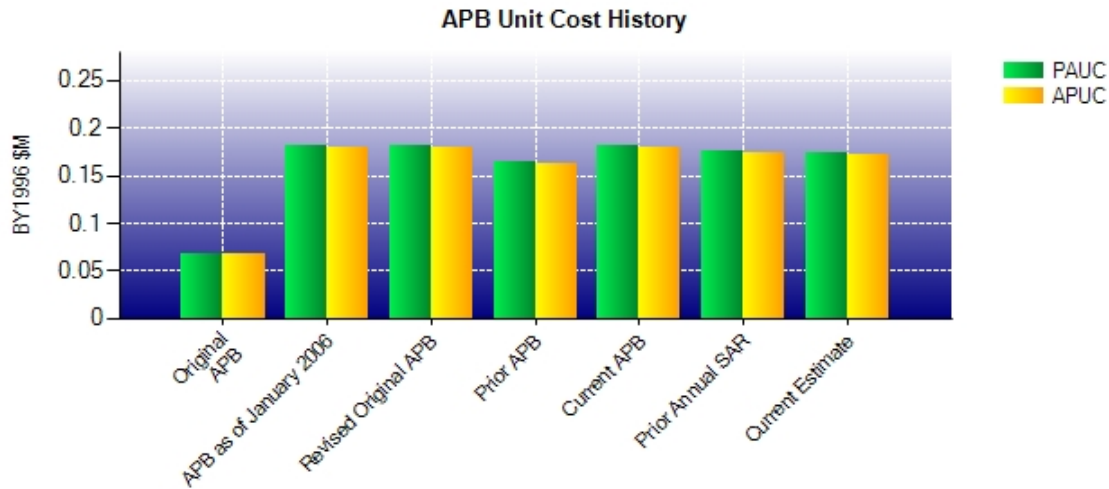
None

Unit Cost**Unit Cost Report**

	BY1996 \$M	BY1996 \$M	
Unit Cost	Current UCR Baseline (MAY 2003 APB)	Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	15024.7	13974.0	
Quantity	83185	80376	
Unit Cost	0.181	0.174	-3.87
Average Procurement Unit Cost (APUC)			
Cost	14890.6	13800.1	
Quantity	83185	80376	
Unit Cost	0.179	0.172	-3.91

	BY1996 \$M	BY1996 \$M	
Unit Cost	Revised Original UCR Baseline (MAY 2003 APB)	Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	15024.7	13974.0	
Quantity	83185	80376	
Unit Cost	0.181	0.174	-3.87
Average Procurement Unit Cost (APUC)			
Cost	14890.6	13800.1	
Quantity	83185	80376	
Unit Cost	0.179	0.172	-3.91

Unit Cost History



	Date	BY1996 \$M		TY \$M	
		PAUC	APUC	PAUC	APUC
Original APB	OCT 1988	0.068	0.067	0.072	0.072
APB as of January 2006	MAY 2003	0.181	0.179	0.236	0.235
Revised Original APB	MAY 2003	0.181	0.179	0.236	0.235
Prior APB	OCT 1999	0.164	0.163	0.212	0.210
Current APB	MAY 2003	0.181	0.179	0.236	0.235
Prior Annual SAR	DEC 2010	0.176	0.174	0.213	0.211
Current Estimate	DEC 2011	0.174	0.172	0.209	0.206

SAR Unit Cost History

Current SAR Baseline to Current Estimate (TY \$M)

Initial PAUC Prod Est	Changes								PAUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.221	-0.034	0.001	-0.024	0.036	0.013	0.000	-0.005	-0.012	0.209

Current SAR Baseline to Current Estimate (TY \$M)

Initial APUC Prod Est	Changes								APUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.220	-0.034	0.001	-0.024	0.035	0.013	0.000	-0.005	-0.014	0.206

SAR Baseline History

Item/Event	SAR Planning Estimate (PE)	SAR Development Estimate (DE)	SAR Production Estimate (PdE)	Current Estimate
Milestone I	N/A	AUG 1987	N/A	N/A
Milestone II	N/A	AUG 1987	MAY 1987	MAY 1987
Milestone III	N/A	MAR 1993	N/A	N/A
IOC	N/A	APR 1993	DEC 1995	JAN 1996
Total Cost (TY \$M)	N/A	8568.6	18921.3	16765.7
Total Quantity	N/A	119542	85488	80376
Prog. Acq. Unit Cost (PAUC)	N/A	0.072	0.221	0.209

Cost Variance**Cost Variance Summary**

Summary Then Year \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	115.6	18805.7	--	18921.3
Previous Changes				
Economic	-1.0	-2796.1	--	-2797.1
Quantity	--	+188.7	--	+188.7
Schedule	+1.5	-2205.3	--	-2203.8
Engineering	+43.3	+3344.7	--	+3388.0
Estimating	+20.2	+1602.9	--	+1623.1
Other	--	--	--	--
Support	--	-388.8	--	-388.8
Subtotal	+64.0	-253.9	--	-189.9
Current Changes				
Economic	+0.3	+80.1	--	+80.4
Quantity	--	-1266.1	--	-1266.1
Schedule	--	+271.0	--	+271.0
Engineering	--	-511.1	--	-511.1
Estimating	-0.5	-539.5	--	-540.0
Other	--	--	--	--
Support	--	+0.1	--	+0.1
Subtotal	-0.2	-1965.5	--	-1965.7
Total Changes	+63.8	-2219.4	--	-2155.6
CE - Cost Variance	179.4	16586.3	--	16765.7
CE - Cost & Funding	179.4	16586.3	--	16765.7

Summary Base Year 1996 \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	121.8	11472.4	--	11594.2
Previous Changes				
Economic	--	--	--	--
Quantity	--	+462.0	--	+462.0
Schedule	+0.2	-91.8	--	-91.6
Engineering	+37.0	+2434.1	--	+2471.1
Estimating	+15.4	+1189.0	--	+1204.4
Other	--	--	--	--
Support	--	-203.5	--	-203.5
Subtotal	+52.6	+3789.8	--	+3842.4
Current Changes				
Economic	--	--	--	--
Quantity	--	-896.9	--	-896.9
Schedule	--	+178.6	--	+178.6
Engineering	--	-362.1	--	-362.1
Estimating	-0.5	-386.8	--	-387.3
Other	--	--	--	--
Support	--	+5.1	--	+5.1
Subtotal	-0.5	-1462.1	--	-1462.6
Total Changes	+52.1	+2327.7	--	+2379.8
CE - Cost Variance	173.9	13800.1	--	13974.0
CE - Cost & Funding	173.9	13800.1	--	13974.0

Previous Estimate: December 2010

RDT&E	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	+0.3
Adjustment for current and prior escalation. (Estimating)	-0.1	-0.1
Decrease in funds for Armor Tech Insertion. (Estimating)	-0.5	-0.5
Increase in funds due to extension in Development program (Estimating)	+0.1	+0.1
RDT&E Subtotal	-0.5	-0.2

Procurement	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	+80.1
Total Quantity variance resulting from a decrease of 7463 trucks from 87839 to 80376. (Subtotal)	-1254.0	-1770.2
Quantity variance resulting from a decrease of 7463 trucks from 87839 to 80376. (Quantity)	(-896.9)	(-1266.1)
Allocation to Schedule resulting from Quantity change. (Schedule) (QR)	(+178.6)	(+252.1)
Allocation to Engineering resulting from Quantity change. (Engineering) (QR)	(-362.1)	(-511.1)
Allocation to Estimating resulting from Quantity change. (Estimating) (QR)	(-173.6)	(-245.1)
Stretch-out of procurement buy profile. (Schedule)	0.0	+18.9
Adjustment for current and prior escalation. (Estimating)	-33.5	-43.4
Unit cost savings as a result of Engineering Change Proposal (ECP) definitization. (Estimating)	-112.8	-146.8
Decrease in non-recurring engineering (program management, non-recurring testing, and in-house and contractor engineering) associated with reduction in funding. (Estimating) (QR)	-95.5	-135.2
Increase in cost due to model mix (more expensive variants procured). (Estimating) (QR)	+28.6	+31.0
Adjustment for current and prior escalation. (Support)	-0.7	-1.2
Increase in Other Support due to higher estimated transportation costs of specialty variants. (Support)	+8.3	+4.7
Decrease in Initial Spares associated with reduction in quantities. (Support) (QR)	-2.5	-3.4
Procurement Subtotal	-1462.1	-1965.5

(QR) Quantity Related

Contracts

Appropriation: Procurement

Contract Name	FMTV
Contractor	BAE Systems
Contractor Location	Houston, TX 77474-9506
Contract Number, Type	W56HZV-08-C-0460, FFP/CPFF
Award Date	May 01, 2008
Definitization Date	May 01, 2008

Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
3400.0	N/A	15901	4041.0	N/A	16106	4041.0	4041.0

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FFP/CPFF contract.

Contract Comments

The difference between the initial contract price target and the current contract price target is due to an increase in quantities.

Total truck quantity procured on the 0460 contract as of December 31, 2011 is:

Direct Army 15,693
 FMS 23
 Other 390
 Total 16,106

All vehicle deliveries were completed by December 2011 and all Armor B-kit deliveries will be completed by March 31, 2012. This contract is complete and will no longer be reported.

Appropriation: Procurement

Contract Name **FMTV**
 Contractor Oshkosh Truck Corporation
 Contractor Location Oshkosh, WI 54902-7062
 Contract Number, Type W56HZV-09-D-0159, FFP/CPFF
 Award Date August 26, 2009
 Definitization Date August 26, 2009

Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
2583.6	N/A	13258	3770.0	N/A	18745	3770.0	3770.0

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FFP/CPFF contract.

Contract Comments

The difference between the initial contract price target and the current contract price target is due to

Total truck quantity procured on the 0159 contract as of December 31, 2011 is:
 Direct Army 18,255
 FMS 9
 Other 481
 Total 18,745

This is a requirements contract in which the Army can purchase anywhere from 0 to 9900 per year for the contract years of 2009-2013. The Initial Contract Price Target and Quantity are the amounts on contract as of December 2010 while the Current Price Target and Qty are amounts on contract as of December 2011.

Deliveries and Expenditures

Deliveries To Date	Plan To Date	Actual To Date	Total Quantity	Percent Delivered
Development	0	0	0	--
Production	62569	62587	80376	77.87%
Total Program Quantities Delivered	62569	62587	80376	77.87%

Expenditures and Appropriations (TY \$M)			
Total Acquisition Cost	16765.7	Years Appropriated	25
Expenditures To Date	11059.8	Percent Years Appropriated	83.33%
Percent Expended	65.97%	Appropriated to Date	16086.1
Total Funding Years	30	Percent Appropriated	95.95%

Delivery refers to the number of Army trucks accepted as of December 31, 2011.

Operating and Support Cost

Assumptions And Ground Rules

Operating and Support (O&S) costs are based on a validated Program Office Estimate (POE), dated April 2010.

The average miles/vehicle/year is 1,543 miles for the Light Medium Tactical Vehicle (LMTV) truck and 1,432 miles for the Medium Tactical Vehicle (MTV) truck. The average years of operation (useful life) is 20 years. There will be 37,933 LMTVs and 42,443 MTVs operating for a total of 80,376.

To determine the Total O&S Costs for LMTV, the average annual cost of \$8.9K per LMTV truck is multiplied by 20 years times 37,933 LMTV trucks (8.9 x 20 x 37,933). To determine Total O&S Costs for MTVs, the average annual cost of \$12.9K per MTV truck is multiplied by 20 years times 42,443 MTV trucks (12.9 x 20 x 42,443).

The standard unit of measure for this program (i.e., the quantity of trucks only with trailer costs amortized proportionally against the truck quantities) has been used in developing the O&S costs reported below.

The LMTV current estimate of \$6,752.1M (96\$) and the MTV current estimate of \$10,950.3 (96\$) breach the current approved Acquisition Program Baseline (APB) dated May 25, 2003. That is, the total current estimate of \$17,702.4M (96\$) exceeds the APB O&S Objective of \$11,258.3M, with a deviation change of +57.24%. The methodology used in the APB was incomplete and didn't account for all O&S elements. Also, the APB estimate assumed 1% of LMTVs and 19% of MTVs have crew and maintenance personnel cost, while the current estimate assumes all FMTVs have crew and maintenance personnel cost. In addition the APB estimate only operates 79,143 trucks even though the AAO is 83,185 trucks. The current estimate operates 80,376 which is the estimated quantity for end of the program due to a reduction on the FMTV requirement. In short, the O&S breach is due to an increase in quantity and changes in estimating assumptions since the 2003 APB was completed.

Costs BY1996 \$K		
Cost Element	FMTV Avg. Annual Cost per LMTV	FMTV Avg. Annual Cost per MTV
Unit-Level Manpower	4.8	7.5
Unit Operations	1.3	1.7
Maintenance	2.3	3.0
Sustaining Support	0.5	0.7
Continuing System Improvements	0.0	0.0
Indirect Support	0.0	0.0
Other	0.0	0.0
Total Unitized Cost (Base Year 1996 \$)	8.9	12.9

Total O&S Costs \$M	FMTV	FMTV
Base Year	6752.1	10950.3
Then Year	10924.7	17995.8

Demilitarization costs are not included in the above estimate.