

AD-A184 214

DEPARTMENT OF THE ARMY JUSTIFICATION OF ESTIMATES FOR  
FISCAL YEARS 1988/1. (U) DEPUTY CHIEF OF STAFF FOR  
RESEARCH DEVELOPMENT AND ACQUISITIO. JAN 87

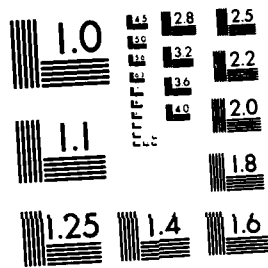
1/1

UNCLASSIFIED

F/G 15/5

NL

END  
DATE  
1/87



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

# DEPARTMENT OF THE ARMY

ANTICIPATION OF ESTIMATES FOR FISCAL YEAR 1967

SUBMITTED TO CONGRESS

JANUARY 1967



PROCUREMENT OF WEAPONS AND TRACKED  
CARRY VEHICLES, ARMY


This document has been prepared  
for public release and sale in  
distribution is unlimited.

87 0 16 148

AD-A184 214

Reproduction of this document in whole or in part is prohibited except with permission of the issuing office.

Accession: For	N
NTIS	<input type="checkbox"/>
CRA&I	<input type="checkbox"/>
DTIC	<input type="checkbox"/>
TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution	
Dist	A-1



DEPARTMENT OF THE ARMY  
Office of the Deputy Chief of Staff  
for  
Research, Development and Acquisition

JUSTIFICATION OF ESTIMATES  
DISTRIBUTION

	<u>Copies</u>		<u>Copies</u>		<u>Copies</u>
ASD(C) (3A 862)	2	ASA(MR) (2E 580)	1	DAMO-FDR (2D 570)	9
Cost & Audit (4B 916)	1	SALL (2C 638)	39	APA	10
Plans/Systems (3A 862)	1	DACA-BUL (3A 652)	5	MIPA	10
Construction (3B 866)	2	DACA-BUF (3B 663)	10	PWTCV	11
Procurement (3D 883)	1	DACA-ZXA (2B 664)	1	PAA	13
		DACS-DPA (3C 747)	2	OPA	9
USDR&E (3D 139)	8	DACS-DPM (3C 725)	1	MILCON	
USD (Policy) (4E 830)	1	DACS-BMZ-A (AMC Bldg)	1	DALO-ZXA (3D 576)	1
OSD(DOTE) (3D 139)	1	DACS-FM (1A 871)	1	DALO-RMI (1D 560)	3
ASD(ISA) (4B 856)	2	DAMI-CIS (2D 481)	1	DALO-SMD (1D 567)	1
DACS-DPD (3C 738)	1	DAMI-PBB (2E 477)	1	DALO-RMP (1E 565)	1
OSD(PA&E) (2E 313)	1	DAM-OPC (2B 486)	1	DAEN-ZCP (1E 685)	1
ASD(HA) (3E 183)	1	DAM-OPC (2B 486)	1	DAAR-COB (1E 433)	1
ASD(LA) (3D 918)	1	DAM-OPC (2B 486)	1	NGB-ARC-B (2D 400)	2
ASD(RA) (3C 980)	6	DAM-OPC (2B 486)	1	DASG-HCL (2E 525)	1
ASD(C3I) (3D 238)	6	DAM-OPC (2B 486)	1	OPA	
JCS (J-5) (X76187)	1	DAM-OPC (2B 486)	1	Air Force (4D 131)	1
(SPRAA-PBAD)	1	DAM-OPC (2B 486)	1	Navy (4C 640)	1
OIG, DoD (1E 482)	2	DAM-OPC (2B 486)	1	DAMA-WS (3E 448)	1
ASA(IL) (3E 613)	1	DAM-OPC (2B 486)	1	APA	1
ASA(FM) (3E 572)	1	DAM-OPC (2B 486)	1	MIPA	1
ASA(RDA) (2E 673)	1	DAM-OPC (2B 486)	1	PWTCV	
		DAM-OPC (2B 486)	1	ACSC-RDD (3C 363)	1

JUSTIFICATION OF ESTIMATES  
DISTRIBUTION

<u>Copies</u>		<u>Copies</u>	<u>Copies</u>
DAMA-WSA (3B 454) APA	6	Center of Military History ATTN: DAMH-ZBB Room 4227, Pulaski Bldg 20 Massachusetts Avenue Washington, DC 20314	1
DAMA-WSM (3B 455) HIPA	6	Commander US Army Materiel Command ATTN: AMCSM-NRM 5001 Eisenhower Avenue Alexandria, VA 22333	2
DAMA-WSW (3B 468) PWTCV	7	Commander US Army Materiel Command ATTN: AMCSM-NRM 5001 Eisenhower Avenue Alexandria, VA 22333	2
DAMA-CS (3E 432) PAA	1		
OPA	1		
DAMA-CSS (3D 400) OPA	4	Commander US Army Training & Doctrine Command ATTN: ATCD-EP Fort Monroe, VA 23651	1
DAMA-CSC (3D 433) OPA	3		
DAMA-CSM (3D 474) PAA	10	Arms Control & Disarmament Agency ATTN: NWC-DPA, Room 5741 320 21st Street, NW Washington, DC 20451	2
DAMA-CSZ (3D 474) (MC Liaison)	1		
DAMA-PPC (3E 443)	5		
DAMA-RA (3E 360)	1		
		The Office of Management & Budget New Executive Office Bldg. Room 10001 17th & Pennsylvania Ave, NW Washington, DC 20503	2
		The Government Accounting Ofc Room 5132 441 G Street, NW Washington, DC 20548	3
		DODIG, for Audit ATTN: ASP 1300 Wilson Blvd Arlington, VA 22209	1
		HQDA (DASG-RMB) 5111 Leesburg Pike Falls Church, VA 22041-3258	1
		HQDA (DAAA-PRP) 3101 Park Center Drive Room 1301 Alexandria, VA 22302-1596	1

NOTE: Provide any changes, additions, deletions to the above list to: HQDA (DAMA-PPP-B),  
Washington, DC 20310-0665, or Commercial: (202)695-8681, AUTOVON: 225-8681.

DEPARTMENT OF THE ARMY  
PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY  
JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1988, 1989

	<u>Page No.</u>
Section 1 - Budget Appendix Extract.....	3-1
Section 2 - Budget Activity Justification. <u>and</u> .....	3-15
Section 3 - Comparison of Program Requirements and Financing.....	3-33

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Section 1

Budget Appendix Extract

Language

Program And Financing Schedule

Object Classification Schedule

APPROPRIATION LANGUAGE

For construction, procurement, production, and modification of weapons and tracked combat vehicles, equipment, including ordnance, spare parts, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefor, for the foregoing purposes, and such lands and interest therein may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes: \$3,152,537,000 of which \$88,100,000 shall be available for the Army National Guard and Army Reserve, to remain available for obligation until September 30, [1989: Provided, That none of these funds may be used for the noncompetitive procurement of the M249 Squad Automatic Weapon.] 1990.

Further, for the foregoing purposes \$3,227,762,000, of which \$155,300,000 shall be available only for the Army National Guard and Army Reserve to become available for obligation on October 1, 1988 and to remain available for obligation until September 30, 1991. (10 USC 2353, 2361, 3013, 4531-32; Department of Defense Appropriations Act, 1987 as included in Public Laws 99-500 and 99-591, section 101(c); additional authorizing legislation to be proposed).

05 JAN 87

Program and Financing (in thousands of dollars) SUMMARY

Budget Plan (amounts for INCURMENT at this program)

Obligations

Identification Code (10330105)	1986 actual	1987 est	1988 est	1989 est	1986 actual	1987 est	1988 est	1989 est
<b>Program by activities:</b>								
00 0101	3,051,943	3,508,247	2,970,831	3,022,729	4,265,264	3,351,770	3,123,409	3,052,074
00 0201	175,452	736,653	181,706	205,033	338,997	236,368	188,317	214,417
00 9101	4,037,395	3,744,900	3,152,537	3,227,762	4,604,261	3,588,138	3,311,726	3,266,491
01 0101	955,135	106,000	379,900	323,000	334,336	450,151	379,900	323,000
01 0001	4,192,250	4,110,900	3,482,437	3,550,762	4,938,597	4,038,289	3,691,626	3,589,491
<b>Financing:</b>								
11 0001	779,148	798,300	760,500	753,000	795,231	798,900	760,500	753,000
13 0001	70,047	67,100	69,400	69,400	71,883	67,100	69,400	69,400
14 0001	5,345				136,871			
17 0001								
21 4002	598,100	180,750			1,589,115	1,184,787	1,257,398	1,088,149
21 4003					598,100	380,750		
21 4007	618,751	167,450			618,751	167,450		
23 4001	14,400	213,300			34,400	213,300		
23 4002	103,446				103,446			
24 4002	180,750				1,184,787	1,257,398	1,098,149	1,059,420
25 4001	24,557				380,750			
25 4001	24,557				24,557			
19 0001	4,393,045	1,744,900	1,152,537	3,227,762	4,393,045	3,744,900	3,152,537	3,227,762
40 0001	4,455,245	3,804,300	3,152,537	3,227,762	4,455,245	3,804,300	3,152,537	3,227,762
41 0001	67,706	59,400			62,200	59,400		
43 0001	4,393,045	3,744,900	3,152,537	3,227,762	4,393,045	3,744,900	3,152,537	3,227,762
<b>Relation of obligations to outlays:</b>								
71 0001	4,570,540	3,672,289			4,570,540	3,672,289	3,311,786	3,266,491
72 4001	6,868,886	6,868,886			6,868,886	6,868,886	6,404,500	6,330,402
73 4001	16,704				16,704			
78 0001	336,971				336,971			
19 0001	3,647,877	3,656,675	3,591,885	3,500,140	3,647,877	3,656,675	3,591,885	3,500,140

05 Jan 87

Procurement of MILV. Army  
Object Classification (in thousands of dollars) Summary

Identification code	1986 actual	1987 est.	1988 est.	1989 est.
21-2033-0-1-051				
Direct obligations.				
Other services.				
125 004	1,012,937	748,390	748,583	742,429
126 001	644,586	502,338	463,650	488,304
131 001	2,946,728	2,286,408	2,119,543	2,067,268
199 001	4,604,261	3,538,138	3,331,786	3,266,491
Total Direct obligations				
Reimbursable obligations.				
Other services.				
725 004	73,554	68,662	71,060	71,060
726 001	46,807	43,694	45,220	45,220
731 001	213,975	337,785	273,628	286,740
799 001	334,336	450,151	329,900	323,000
999 001	4,938,587	4,038,289	3,841,686	3,589,491
Total obligations				

05 Jan 87

Procurement of M1C(Army)  
Program and Financing (in thousands of dollars) FISCAL YEAR 1988

Identification code	Budget Plan (amounts for PROCUREMENT actions programmed)			Obligations		
	1986 actual	1987 est.	1988 est.	1986 actual	1987 est.	1988 est.
21 20J3 0-1-051						
Program by activities:						
00 0101				402,755		
00 0201				192,170		
00 9101				594,925		
01 0101				1,610		
10 0001				596,535		
Financing:						
Offsetting collections from:						
11 0001				248		
13 0001				-97		
14 0001				3,087		
17 0001				-251,351		
21 4002	110,500			-479,456		
21 4003	131,935			-336,500		
21 4007	189,587			360,587		
22 4001	34,400			39,400		
23 4002	39,591			39,591		
25 0001	24,357			24,357		
59 0001						



05 Jan 87

Procurement of USICV, Army  
 Program and Financing (in thousands of dollars) FISCAL YEAR 1986

Identification Code	Budget Authority (Accounts for PROCUREMENT actions programs)				Obligations	
	1986 actual	1987 est.	1988 est.	1989 est.	1986 actual	1987 est.
<b>Program by activities</b>						
01 0101 Direct program	3,801,343				3,132,644	370,657
01 0201 Tracked combat vehicles	175,452				132,541	27,996
01 9101 Weapons and other combat vehicles	4,037,395				3,265,185	398,655
01 9101 Total direct program	8,014,190				6,530,370	797,308
01 0103 Reimbursable program	455,135				314,976	40,159
01 0001 Total	8,469,325				6,845,346	837,467
<b>Financing</b>						
Offsetting collections from:						
01 0001 Federal funds	279,148				279,148	
01 0001 Non-Federal sources(-)	70,047				70,047	
01 0001 Unobligated balance available, start of year:	-5,945				-5,945	
01 4002 For completion of prior year budget plans		355,650				355,650
01 4003 Available to finance subsequent year budget plans		167,450				167,450
01 4001 Unobligated balance reclassified to other accounts		188,500				188,500
01 4001 Unobligated balance available, end of year:					812,369	812,369
01 4002 For completion of prior year budget plans	225,650				355,650	373,555
01 4003 Available to finance subsequent year budget plans						
01 0001 Budget authority	4,193,045				4,393,045	
<b>Budget authority:</b>						
01 0001 Appropriation	4,425,425				4,455,245	
01 0001 Transferred to other account(s)	67,200				62,200	
01 0001 Appropriation (adjusted)	4,193,045				4,393,045	

05 Jan 87

Procurement of W&I, Army  
Program and Financing (in thousands of dollars) FISCAL YEAR 1987

Budget Plan (amounts for PROGRAMMENT  
actions programmed)

Obligations

Identification code	Budget Plan (amounts for PROGRAMMENT actions programmed)				Obligations			
	1986 actual	1987 est.	1988 est.	1989 est.	1986 actual	1987 est.	1988 est.	1989 est.
Program by activities:								
00.0101 Tracked combat vehicles	3,508,247				2,675,284	503,652	329,311	
00.0201 Weapons and other combat vehicles	236,653				185,773	30,785	20,115	
00.9101 Total direct program	3,744,900				2,861,057	534,437	349,426	
01.0101 Reimbursable program	466,000				366,000			
10.0001 Total	4,210,900				3,227,057	534,437	349,426	
Financing								
01.0001 Federal funds(-)	298,900				-298,900			
13.0001 Trust funds(-)	67,100				-67,100			
21.4002 Unobligated balance available, start of year:								
For completion of prior year budget plans								
24.4002 Unobligated balance available, end of year:								
For completion of prior year budget plans								
39.0001 Budget authority	3,744,900				883,843	349,426		
Budget authority:								
40.0001 Appropriation	3,804,300				3,804,300			
41.0001 Transferred to other accounts(-)	-59,400				-59,400			
43.0001 Appropriation (adjusted)	3,744,900				3,744,900			

3-8 JANUARY 1987

05 Jan 87

Procurement of M1CV Army  
Program Financing (in thousands of dollars) FISCAL YEAR 1988

Budget Plans (Amounts for PROCUREMENT  
actions programs)

Obligations

Identification code	1986 actual		1987 est.		1988 est.		1989 est.	
	1986 actual	1987 est.	1988 est.	1989 est.	1986 actual	1987 est.	1988 est.	1989 est.
Program activities:								
00 0101 Tank program	2,970,831		2,970,831		2,761,175		2,761,175	417,089
00 0201 Weapons and other combat vehicles	181,706		181,706		147,639		147,639	35,028
00 9101 Total direct program	3,152,537		3,152,537		2,908,814		2,908,814	452,117
01 0101 Reimbursable program	129,900		129,900		179,900		179,900	
10 0001 Total	3,282,437		3,282,437		3,088,714		3,088,714	452,117
Financing:								
01 0001 Offsetting collections from:								
13 0001 Federal Funds(-)	-760,500		-760,500		-760,500		-760,500	
13 0001 Trust Funds(-)	-69,400		-69,400		-69,400		-69,400	
21 4002 Unobligated balance available, start of year.								748,723
21 4002 Unobligated balance available, end of year.								
24 4002 Unobligated balance available, end of year.								
24 4002 For completion of prior year budget plans								
40 0001 Budget authority (Appropriation)	3,152,537		3,152,537		3,152,537		3,152,537	296,006

05 Jan 87

Procurement of M1V Army  
Program and Budgeting in Thousands of dollars | FISCAL YEAR 1989

Identification code	Budget Plan (amounts for procurement actions programmed)			
	1986 actual	1987 est.	1988 est.	1989 est.
Program by activities:				
00.010		3,022,729		2,305,074
00.020		205,033		159,274
00.910		3,227,762		2,464,348
01.010	323,000			323,000
10.000	3,550,762			2,787,348
Total				
Financing:				
11.000		253,600		253,600
13.000		-69,400		-69,400
24.4002				783,414
40.000		3,227,762		3,227,762

3-10 JANUARY 1987

US Jan 87

Procurement of WSCV Army  
(Rescission 40001)  
Program and financing (in thousands of dollars) FISCAL YEAR 1987

	Budget Plan (amounts for procurement actions programmed)			Obligations		
	1986 actual	1987 est	1988 est	1986 actual	1987 est	1988 est
Identification Loan 21-2033-5-1-051						
Program by activities:						
10,0001 Total	15,000			15,000		
40,0001 Financing: Budget authority (Appropriation rescission p	15,000			15,000		

05 Jan 87

Procurement of M815 Army  
vehicles and trucks  
Program and Financing (in thousands of dollars) SUMMARY

Budget Plan (amounts for PRODUCEMENT  
actions programmed)

Identification Code	21-2032-S-1-051	Obligations			
		1986 actual	1987 est	1988 est	1989 est
Program by activities:					
10.0001	Total	15,000	15,000	15,000	15,000
40.0001	Financing				
	Priority (Appropriation cessation)	15,000	15,000	15,000	15,000
71.0001	Relation of obligations to outlays				
72.4001	Obligations incurred, net		13,475	11,475	8,040
74.4001	Obligated balance, end of year			8,040	3,900
90.0001	Outlays		1,575	5,385	4,740

05 Jan 87

Procurement of M5TCV Army  
Mission Proposal  
Object Classification (in Thousands of Dollars) Summary

Identification Code	1986 actual	1987 est	1988 est	1989 est
21 203-5-05				
Direct obligations		-15,000		
Other services		-15,000		
125 003 Contracts		-15,000		
198 001 Total Direct obligations		-15,000		
998 901 Total obligations		-15,000		

**PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY**

**Section 2**

**Budget Activity Justification**

Activity 1 - Tracked Combat Vehicles

Activity 2 - Weapons and Other Combat Vehicles

3-14 JANUARY 1987

Department of the Army Annual Budget Estimate JUSTIFICATION	Appropriation PROCUREMENT OF WEAPONS & TRACKED COMBAT VEHICLES, ARMY		FY 1988/89		
	(Thousands of Dollars)		Actual	Estimate	Budget
Program or Budget Project Account	Estimate	Estimate	Estimate	Estimate	
Activity 1 - Tracked Combat Vehicles	FY 1986	FY 1987	FY 1988	FY 1989	
Direct Obligation or Direct Budget Plan	\$3,861,943	\$3,508,247	\$2,970,831	\$3,022,729	

**Section 1 - PURPOSE AND SCOPE**

Provide for procurement of tracked combat vehicles including M1A1 tanks; Bradley Fighting Vehicle System; training equipment; and associated equipment. The request also provides for modification kits (M109 HIP), major assembly repair parts (including initial provisioning), and related production base support.

**Section 2 - JUSTIFICATION OF FUNDS REQUESTED**

Tracked Combat Vehicles - The requested funding provides for procurement of the following tracked combat vehicles to improve readiness and meet modernization goals: M1A1 Abrams Tank, Bradley Fighting Vehicle System, and Field Artillery Ammunition Support Vehicle. To further improve Army materiel readiness of high priority combat vehicles, funds are requested for the following modification programs: Upgrade of the current fleet of M113 family of carriers, enhancement of M109 Self-Propelled Howitzers; upgrade M60A1 Tanks to M60A3 (TTS) configuration with survivability enhancements. Each major item included in this request is discussed below:

**Bradley Fighting Vehicles (MTP) (P-1 Line Item No. 3):**

	(\$ In Thousands)
FY 1988	FY 1989
\$699,400	\$671,200

These funds are requested for procurement of 616 Bradley Fighting Vehicles in FY88 and 618 vehicles in FY89. The Bradley is indispensable to the Mechanized Infantry and is designed to be compatible with the M1 Main Battle Tank and provide improved firepower, cross-country mobility, and ballistic protection to infantry squads and cavalry sections. The armament is designed to engage an array of enemy targets and will include a two-man turret employing a 25mm automatic cannon, the TOW 2 antitank guided missile system, as well as a 7.62mm coaxial machine gun, all utilizing an integrated day/night thermal sight. Using the organic 5.56mm firing port weapon, the mounted infantry in the Infantry Fighting Vehicle will be able to deliver suppressive fires around the vehicle. Interior configuration varies in the Cavalry Fighting Vehicle to allow for differences in crew size and stowage requirements and will be improved for better visibility. All vehicles procured will be A1 versions which incorporate the more lethal TOW II system and other design changes.

Advance Procurement-Bradley Fighting Vehicles (MYP) (P-1 Line Item No. 4):

	(\$ in Thousands)
FY 1988	\$37,100
FY 1989	\$42,600

These funds are requested for procurement of long-lead manufacturing items and components to support the production of 618 and 624 Infantry and Cavalry Fighting Vehicles in FY89 and in FY90.

Bradley FVS Training Devices (Mod) (P-1 Line Item No. 6):

	(\$ in Thousands)
FY 1988	\$5,900
FY 1989	\$3,600

Funds support modification of training devices to maintain continuity with vehicle modifications, e.g., update of COFT to reflect AI modifications.

Field Artillery Ammunition Support Vehicle (FAASV) (P-1 Line Item No. 7):

	(\$ in Thousands)
FY 1988	\$28,700
FY 1989	-0-

These funds are requested to continue procurement of the Field Artillery Ammunition Support Vehicle (FAASV) for deployment in M109 155MM Self-Propelled Howitzer Battalions in Europe and Korea and POMCUS. The FY88 funds will procure 65 FAASV's.

Recovery Vehicle, Medium, FT, M88A2 (MYP) (P-1 Line Item No. 8):

	(\$ in Thousands)
FY 1988	-0-
FY 1989	\$83,600

These funds are requested for initial procurement of 80 M88A2 production vehicles in FY89 to provide a battlefield recovery and evacuation capability to M1A1 tank units.

Advance Procurement - Recovery Vehicle, Medium, FT, M88A2 (MYP) (P-1 Line Item No. 9):

	(\$ in Thousands)
FY 1988	\$24,100
FY 1989	\$22,300

These funds are requested for procurement of M88A2 long lead components in FY88 and FY89.

M1 Abrams Tank (MTP) (P-1 Line No. 10)

(\$ In Thousands)	
FY 1988	FY 1989
\$1,354,700	\$1,215,200

These funds are requested to procure 600 M1A1 tanks in FY88 and 534 M1A1 tanks in FY89. The M1A1 Tank will replace the M60 and M1 tanks in selected units and allow for continued modernization of the Army tank fleet. It has significantly improved survivability over current tanks providing better armor protection and compartmentalization of ammunition and fuel. Its 1500-hp turbine engine and improved suspension system provide unprecedented mobility and stability as a weapons platform. The M1A1 counters the enemy threat now and has growth potential to be effective well into the 1990's. Beginning in FY85, all Abrams tanks produced were M1A1s with the 120mm cannon.

Advance Procurement, Tank, Combat, M1 Abrams (MTP) (P-1 Line Item No. 11):

(\$ In Thousands)	
FY 1988	FY 1989
\$156,000	\$146,100

These funds are requested for procurement of long-lead manufacturing items, components, and government-furnished equipment to support the production of M1A1 tanks in FY89 and beyond.

M60 Series Tank Training Devices (P-1 Line Item No. 12):

(\$ In Thousands)	
FY 1988	FY 1989
-0-	\$30,000

These funds are requested for procurement of Mobile Conduct of Fire Trainers (MCOFT) to sustain tank gunnery skills in reserve component units. These devices employ an M60A3 gunner and commander station mock-up and computer simulations to produce a wide variety of highly realistic battle scenarios. Although not a total substitute for actual firing, the Conduct of Fire Trainers will significantly assist in acquiring and sustaining gunner and commander basic gunnery skills with reductions in time, range usage, ammunition, and attendant cost.

M1 Series Tank Training Devices (P-1 Line Item No. 13):

(\$ In Thousands)	
FY 1988	FY 1989
\$4,700	\$10,500

These funds are requested for procurement of Maintenance Trainers and M1 M-COFTs. Maintenance Trainers provide initial fault isolation and repair procedures training for M1 tank mechanics in reserve component Direct Support/General Support maintenance units. Those trainers will be utilized at regional training sites for the reserve component. M-COFTS provide reserve component forces equipped with the M1 Tanks an inexpensive means to sustain gunnery skills using training simulators similar in description to the M60A3 COFT.

Carrier, Modification (MOD): (P-1 Line Item No. 14):

(\$ In Thousands)	
<u>FY 1988</u>	<u>FY 1989</u>
\$42,600	\$52,500

These funds are requested for design engineering, testing, and procurement of kit hardware necessary to upgrade the M113A1/A2 carrier fleet. Funds requested in FY88 and FY89 will continue to buy the Block I Mod survivability upgrade kits (spall suppression liners, RISE power train, armored external fuel tanks and armor attachment point) and cooling and suspension kits. Funds will also continue the Block II survivability enhancement modification (applique armor).

Bradley Fighting Vehicle System (MOD) (P-1 Line Item No. 16):

(\$ In Thousands)	
<u>FY 1988</u>	<u>FY 1989</u>
\$52,100	\$62,900

These funds are requested to continue retrofit of BFVS Preplanned Product Improvements (P3I) which were introduced in FY85.

Howitzer, Medium, SP, 155mm, M109 Series (MOD) (P-1 Line Item No. 17):

(\$ In Thousands)	
<u>FY 1988</u>	<u>FY 1989</u>
\$28,200	\$38,700

FY88 and FY89 funds are requested for procurement of Howitzer Improvement Program (HIP) kits. These modifications are designed to improve the readiness and survivability of M109 series howitzers.

Tank, Combat, FT, 105mm Gun, M60 Series (MOD) (P-1 Line Item No. 19):

(\$ In Thousands)	
<u>FY 1988</u>	<u>FY 1989</u>
\$23,300	\$35,600

These funds are requested to procure modification kits to improve the survivability of the M60A3 tank fleet. Modifications that will be applied include laser protection, applique armor, tank thermal sight optical performance enhancement, and automatic fire extinguishers.

Tank, M1 Series (MOD) (P-1 Line Item No. 20)

(\$ In Thousands)	
<u>FY 1988</u>	<u>FY 1989</u>
\$37,500	\$46,400

These funds are requested for mine roller adapter kits laser protection for crew, optical performance enhancement, auxiliary power unit retrofit, and maintainability enhancement.

9MW (P-1 Line Item No. 21):

	(\$ In Thousands)
FY 1988	FY 1989
\$700	\$600

These funds are requested to procure equipment for a classified project.

Host Nation Support (P-1 Line Item No. 24):

	(\$ In Thousands)
FY 1988	FY 1989
\$29,700	\$5,000

These funds are requested to procure German manufactured crew served weapons to equip German Reserve Forces which will provide dedicated combat support/combat service support to US Forces under the terms and conditions of the 1982 US-German Wartime Host Nation Support Agreement.

Spares and Repair Parts (TCV) (P-1 Line Item No. 25):

	(\$ In Thousands)
FY 1988	FY 1989
\$398,400	\$500,600

These funds are requested for procurement of initial and replenishment spares and repair parts related to tracked combat vehicles. Initial spares are requested to support the following systems:

System	FY 1988	FY 1989
M1 Abram Tank	\$74,300	\$ 95,100
Bradley Fighting Vehicles	27,000	30,400
Howitzer, Med, M109, (MOD)	600	1,600
	<u>\$101,900</u>	<u>\$127,100</u>

Replenishment spares and repair parts are requested for FY 1988 in the amount of \$296,500 and for FY 1989 in the amount of \$373,500.

Items Less Than \$2,000,000 (TCV-WTCV) (P-1 Line Item No. 26):

	(\$ In Thousands)
FY 1988	FY 1989
\$1,900	\$1,700

These funds are requested for procurement of maintenance and repair equipment for tracked combat vehicles. Equipment to be procured includes shop sets and tool kits.

Production Base Support (TCV-WTCV) (P-1 Line Item No. 27):

(\$ In Thousands)  
 FY 1988  
\$28,731  
 FY 1989  
\$36,829

These funds are requested to rehabilitate/replace Industrial Plant Equipment at M1A1 Tank production facilities; to modernize the Mainz Army Depot facilities; to layaway/dispose of industrial equipment excess to current production requirements; to provide replacement depot maintenance plant equipment at Mainz Army Depot; and to provide initial depot maintenance plant equipment to support the M1A1 Tank, Bradley Fighting Vehicle System, M60A3 Tank and M88A1 Recovery Vehicle.

(\$ In Thousands)  
 FY 1988  
1,800  
 FY 1989  
6,100

PROVISION OF INDUSTRIAL FACILITIES (PIF)

<u>PROJECT #</u>	<u>TITLE</u>	<u>FY 1988</u>	<u>FY 1989</u>
G8x2006	Expansion of Mainz Army Depot	1,800	6,100
48x3002	Omnibus Concept/Final Design of Construction Projects	500	500
48x6037	Production Support at Lima Army Tank Plant	5,300	8,200
48x6040	Omnibus Production Support and Equipment Rehabilitation/ Replacement at M1 Tank Production Facilities	2,950	2,800
78x8174	Replacement Support at Stratford Army Engine Plant	3,500	6,300
78x8175	Design of Construction Projects at Stratford Army Engine Plant	<u>350</u>	<u>0</u>
	TOTAL PROVISION OF INDUSTRIAL FACILITIES (TCV)	14,400	23,900

LAYAWAY OF INDUSTRIAL FACILITIES (LIF)

48x4281	Omnibus Packaging, Handling and Transportation of Excess Equipment	131	529
---------	--	-----	-----

DEPOT MAINTENANCE PLANT EQUIPMENT (DMPE)

G8x0020	Equipment Replacement at Mainz Army Depot	3,700	400
G8x0053	Omnibus Support of Miscellaneous Tracked Combat Vehicles	300	1,300
G8x0153	Omnibus Support of M1 Tank	2,500	2,800
G8x0253	Omnibus Support of Bradley Fighting Vehicle	<u>7,700</u>	<u>7,900</u>
	TOTAL DEPOT MAINTENANCE PLANT EQUIPMENT (TCV)	14,200	12,400

TOTAL PRODUCTION BASE SUPPORT (TRACKED COMBAT VEHICLES) **28,731**

**36,829**

(# In Thousands)  
FY 1988    FY 1989  
\$17,100    \$16,200

Regional Maintenance Training Sites (P-1 Line Item No. 28):

These funds will procure system components (e.g., M1 engines, M2 transmissions, M60A3 engines) to support training at Regional Maintenance Training Sites (RMTS). System component requirements are as specified in Programs-of-Instruction. These funds will outfit the first fourteen of nineteen RMTS.

Department of the Army	Appropriation		FY 1988/89
Annual Budget Estimate JUSTIFICATION	PROCUREMENT OF WEAPONS & TRACKED COMBAT VEHICLES, ARMY		Budget
Program or Budget Project Account	(Thousands of Dollars)		
Activity 2 - Weapons and Other Combat Vehicles	Actual	Estimate	Estimate
Direct Obligation or Direct Budget Plan	FY 1986	FY 1987	FY 1988
	\$175,452	\$221,653	\$181,706
			\$205,033

**Section 1 - PURPOSE AND SCOPE**

Provides for procurement of weapons and other combat vehicles including mortars, machine guns, and associated equipment. The request also provides for modification kits, procurement of depot repairable major assembly repair parts (including initial provisioning), related production base support, and depot maintenance plant equipment.

**Section 2 - JUSTIFICATION OF FUNDS REQUESTED**

Weapons and Other Combat Vehicles - The requested funding level provides for continued procurement of the Vehicle Rapid Fire Weapon System (VRFWS) weapons, VRFWS advance procurement, and Smoke Grenade Launcher. Funding is also requested for the procurement of the 9mm Personal Defense Weapon, Squad Automatic Weapon (SAW) and 120mm mortar. Each of the items included in this request is discussed below:

**Howitzer, LT Towed, 105mm M119 (P-1 Line Item No. 29):**

	(\$ In Thousands)	
	FY 1988	FY 1989
	\$29,900	\$28,800

These funds are requested for procurement of 113 howitzers in FY88 and 103 in FY89. This light howitzer provides increased range and lethality for the light divisions over that of the old 105mm models.

Howitzer, Med, Towed, 155mm, M198 (P-1 Line Item No. 30):

(\$ In Thousands)	
FY 1988	FY 1989
-0-	\$19,900

These funds are requested to procure 42 howitzers in FY89 for the upgrading of National Guard Infantry Division indirect fire support. The M198 howitzer fires all existing 155mm munitions as well as the Rocket Assisted Projectile and Copperhead.

Squad Automatic Weapon (SAW) 5.56MM (P-1 Line Item No. 34):

(\$ In Thousands)	
FY 1988	FY 1989
\$12,100	\$12,500

These funds are requested for the procurement of 5400 Squad Automatic Weapons in FY88 and 5670 in FY89. This lightweight machine gun delivers a high rate of sustained fire and has increased range which will greatly enhance the effectiveness of the infantry rifle squad.

Grenade Launcher, 40MM, MK 19-3 (P-1 Line Item No. 35):

(\$ In Thousands)	
FY 1988	FY 1989
\$13,800	\$12,000

These funds are requested for the procurement of 1408 MK-19-3 grenade launchers in FY88 and 1326 in FY89. This grenade machine gun delivers high explosive anti-personnel and anti-light armor grenades to 2200 meters which greatly enhances the firepower of the infantry platoon and combat service support units.

Launcher, Smoke Grenade (P-1 Line Item No. 36):

(\$ In Thousands)	
FY 1988	FY 1989
\$1,900	\$1,600

These funds are requested to continue procurement of protective smoke systems for combat vehicles. The launcher provides near instantaneous smoke protection and is a defensive aid against antitank missiles. The budget procures 3628 in FY88 and 2949 in FY89.

Mortar 120mm (P-1 Line Item No. 38):

(\$ In Thousands)	
FY 1988	FY 1989
\$20,900	\$23,800

These funds are requested to procure 332 120mm mortars in FY88 and 350 in FY89. The 120mm mortar will provide the Army increased firepower and combat effectiveness over the existing 4.2 inch mortars.

Rifle, 5.56mm, M16A2 (P-1 Line Item No. 39):

(\$ In Thousands)	
FY 1988	FY 1989
\$26,100	\$26,100

These funds are requested for procurement of 60,000 rifles a year in FY88 and FY89. The M16A2, an improved version will be placed in the hands of the front line combat soldiers. The M16A2 incorporates improvements in sights, pistol grip, stock and overall combat effectiveness. The US Marine Corps is also procuring the M16A2 rifle.

Sniper Weapon System (P-1 Line Item No. 40):

(\$ In Thousands)	
FY 1988	FY 1989
\$1,900	\$1,900

These funds are requested for procurement of 500 Sniper Weapon Systems a year in FY88 and FY89. The Sniper Weapon System provides long range, precision firepower for Special Operations Forces and Infantry battalions.

9mm Personal Defense Weapon (PDW) (P-1 Line Item No. 41):

(\$ In Thousands)	
FY 1988	FY 1989
\$5,300	\$7,000

These funds are requested for procurement of 23,418 9mm handguns in FY88 and 33,078 9mm handguns in FY89. FY85 was the first year of a ten year Army procurement of new 9mm handguns to standardize the inventory and replace the M1911A caliber .45 handguns and caliber .38 revolvers. The 9mm handgun also enhances NATO Rationalization, Standardization and Interoperability (RSI) efforts to standardize all of NATO.

Vehicle Rapid Fire Weapons System (Bushmaster) (MTP) (P-1 Line Item No. 42):

(\$ In Thousands)	
FY 1988	FY 1989
\$25,800	\$32,500

These funds are requested for the procurement of 947 and 948 25mm VRFWS weapons in FY88 and FY89 respectively. This weapon system, also known as the Bushmaster, is the primary armament for the Bradley Fighting Vehicle. FY88 and 89 are the 3rd and 4th increments of a 5 year multiyear procurement.

Advance Procurement, Vehicle Rapid Fire Weapons System (Bushmaster) (P-1 Line Item No. 43):

(\$ In Thousands)	
FY 1988	FY 1989
\$2,100	\$2,400

These funds are requested for long lead castings, forgings and economic order quantity materials to support the VRFWS.

M16A1 Rifle MODS (P-1 Line Item No. 47):

	(\$ In Thousands)
FY 1988	\$5,400
FY 1989	\$5,800

These funds are requested to support the Army rebuild program for the M16A1 rifle. M16A1 rifles will be rebuilt to the Army standard M16A2 configuration.

Modifications under \$2,000,000 (WOCV-WTCV) (P-1 Line Item No. 48):

	(\$ In Thousands)
FY 1988	\$4,500
FY 1989	-0-

These funds are requested for minor modification of weapons and other combat vehicles.

Spares and Repair Parts (WOCV-WTCV) (P-1 Line Item No. 49):

	(\$ In Thousands)
FY 1988	\$12,000
FY 1989	\$18,700

These funds are requested for initial and replenishment spares and repair parts related to weapons and other combat vehicles. Initial spares are requested to support the following systems:

	FY 1988	FY 1989
System		
Howitzer, Lt Towed, 105mm, M119	\$400	\$400
Mortar, 120mm	500	600
	\$900	\$1000

Replenishment spares and repair parts are requested for FY 1988 of \$11,100 and for FY 1989 of \$17,700.

Items Less Than \$2,000,000 (P-1 Line Item No. 50):

	(\$ In Thousands)
FY 1988	\$3,300
FY 1989	\$2,200

These funds are requested for procurement of shop sets and tool sets for maintenance and repair of weapons and other combat vehicles.

Production Base Support (P-1 Line Item No. 51):

(\$ In Thousands)  
FY 1988 \$16,706  
FY 1989 \$9,833

These funds are requested to complete the Renovation of Armament Manufacturing (REARM) at Rock Island Arsenal; to provide annual support of the production test facilities; to layaway industrial equipment excess to production requirements; and to provide depot maintenance plant equipment to support the 120mm Mortar, Squad Automatic Weapon and Howitzer Programs.

<u>PROJECT #</u>	<u>TITLE</u>	(\$ In Thousands)
		FY 1988

PROVISION OF INDUSTRIAL FACILITIES (PIP)

68x8129	Renovation of Armament Manufacturing at Rock Island Arsenal	8,100
68x5263	Support of Production Test Facilities at Aberdeen Proving Grounds	2,000
68x5268	Support of Production Test Facilities at Yuma Proving Grounds	1,400
68x6986	Support of Production Test Facilities at Ethan Allen Firing Range	500
68x8224	Production Test Equipment at Armament Research & Development Center	100
68x8166	Expansion of Fire Control at Armament Research & Development Center	0
		510

TOTAL PROVISION OF INDUSTRIAL FACILITIES (WOCV) 4,800

LAYAWAY OF INDUSTRIAL FACILITIES (LIF)

68x7667	Omnibus Packaging, Handling and Transportation of Excess Equipment	3,306
---------	--	-------

DEPOT MAINTENANCE PLANT EQUIPMENT (DMPE)

68x0054	Omnibus Support of Miscellaneous Weapons and Other Combat Vehicles	1,300
---------	--	-------

TOTAL PRODUCTION BASE SUPPORT (WEAPONS & OTHER COMBAT VEHICLES) 16,706

9,833

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Section 3

Comparison of Program Requirements and Financing

Comparison of FY 1987 program requirements as reflected in FY 1987 budget with FY 1987 program requirements as shown in the FY 1988 budget.

Comparison of FY 1987 financing as reflected in FY 1987 budget with FY 1987 financing as shown in FY 1988 budget.

Comparison of FY 1986 program requirements as reflected in FY 1987 budget with FY 1986 program requirements as shown in FY 1988 budget.

Comparison of FY 1986 financing as reflected in FY 1987 budget with FY 1986 financing as shown in FY 1988 budget.

COMPARISON OF FY 1987 PROGRAM REQUIREMENTS  
AS REFLECTED IN FY 1987 BUDGET WITH  
FY 1987 PROGRAM REQUIREMENTS AS SHOWN IN FY 1988 BUDGET

Appropriation: PROCUREMENT OF WEAPONS & TRACKED COMBAT VEHICLES	SUMMARY OF REQUIREMENTS (In Thousands of Dollars)		Increase (+) or Decrease (-)
	Total Program Requirements Per FY 87 Budget	Program Requirements Per FY 1988 Budget	
Activity 1 - Tracked Combat Vehicles.....	4,202,400	3,508,247	-694,153
Activity 2 - Weapons and Other Combat Vehicles.....	250,200	221,653	-28,547
	4,452,600	3,729,900	-722,700

EXPLANATION BY ACTIVITY

Activity 1 - Tracked Combat Vehicles: A net decrease of \$694.2 Million resulted from Congressional reductions and transfers.

<u>Item</u>	<u>Net Change (in Thousands)</u>
Congressional Reductions .....	\$-634,753
Transfers Anticipated in FY87 .....	\$-59,400
TOTAL NET CHANGE .....	<u>\$-694,153</u>

COMPARISON OF FY 1987 PROGRAM REQUIREMENTS  
AS REFLECTED IN FY 1987 BUDGET WITH  
FY 1987 PROGRAM REQUIREMENTS AS SHOWN IN FY 1988 BUDGET

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)			
Appropriation: PROCUREMENT OF WEAPONS & TRACKED COMBAT VEHICLES	Total Program Requirements Per FY 87 Budget	Program Requirements Per FY 1988 Budget	Increase (+) or Decrease (-)

**Activity 2 - Weapons and Other Combat Vehicles:** A net decrease of \$28.5 million resulted from Congressional reductions and an anticipated rescission of 9mm funding.

Item	Net Change (in thousands)
Congressional Reductions .....	\$-13,547
Proposed rescission.....	\$-15,000

TOTAL NET CHANGE                    \$-28,547

**COMPARISON OF FY 1987 FINANCING AS REFLECTED  
IN THE FY 1987 BUDGET WITH FY 1987 FINANCING  
AS SHOWN IN FY 1988 BUDGET**

	(In Thousands of Dollars)		
	Financing Per FY 1987 Budget	Financing Per FY 1988 Budget	Increase (+) or Decrease (-)
<b>Appropriation: PROCUREMENT OF WEAPONS &amp; TRACKED VEHICLES</b>			
Program Requirements, (Total).....	\$4,733,200	\$4,095,900	-\$637,300
Program Requirements (Service Account).....	( 4,452,600)	( 3,729,900)	(-722,700)
Program Requirements (Reimbursable).....	( 280,600)	( 366,000)	(+ 85,400)
Less:			
Anticipated reimbursements.....	-280,600	-366,000	- 85,400 <sup>1/</sup>
<b>BUDGET</b>	<b>\$4,452,600</b>	<b>\$3,729,900</b>	<b>-\$722,700</b>
<b>Budget Authority</b>			
Congressional Action.....	4,452,600	3,789,300	-663,300
Transferred to other accounts.....	0	- 59,400	- 59,400 <sup>2/</sup>
Appropriation (adjusted).....	\$4,452,600	\$3,729,900	-\$722,700

<sup>1/</sup> The increase of \$85,400,000 is due to a projected increase in FMS Cases during FY 1987.  
<sup>2/</sup> The amount of \$59,400,000 is comprised of pending transfer of: \$38,000,000 for RDTE, Combat Vehicle Improvement Programs; \$6,400,000 for OSD Classified Programs; and \$15,000,000 for RDTE, Ranges and Test Facilities.

COMPARISON OF FY 1986 PROGRAM REQUIREMENTS  
AS REFLECTED IN FY 1987 BUDGET WITH  
FY 1986 PROGRAM REQUIREMENTS AS SHOWN IN FY 1988 BUDGET

Appropriation: PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES	SUMMARY OF REQUIREMENTS (In Thousands of Dollars)		Increase (+) or Decrease (-)
	Total Program Requirements Per FY 87 Budget	Program Requirements Per FY 1988 Budget	
Activity 1 - Tracked Combat Vehicles.....	4,340,800	3,861,943	-487,857
Activity 2 - Weapons and Tracked Combat Vehicles..	327,000	175,452	-151,548
	4,676,800	4,037,395	-639,405

Explanation By Activity

**Activity 1 - Tracked Combat Vehicles** A net decrease of \$487.9 million resulted from Congressional transfers and actual reprogrammings to other accounts being less than those reported in the FY86 budget plan as reflected in the FY87 budget. Shown below are specific reductions by program.

Transfers to other accounts .....	-252,222
Bradley Fighting Vehicle .....	(-100,282)
Carrier Command Post, M577A2.....	(- 1,499)
Carrier M113 Personnel .....	(- 5,767)
M88..i.....	(- 10,387)
M1 Tank.....	(- 90,807)
M1 Tank (MOD).....	(- 3,844)
M60 Tank (MOD).....	(- 3,755)
Spares (TCV) .....	(- 28,631)
Miscellaneous TCV .....	(- 7,196)
Transfers anticipated in FY86 Budget .....	- 49,735
Rescissions .....	- 57,200
Inflation Adjustment .....	-128,700

TOTAL NET CHANGE

-487,857

COMPARISON OF FY 1986 PROGRAM REQUIREMENTS  
AS REFLECTED IN FY 1987 BUDGET WITH  
FY 1986 PROGRAM REQUIREMENTS AS SHOWN IN FY 1988 BUDGET

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)			
Appropriation: PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES	Total Program Requirements Per FY 87 Budget	Program Requirements Per FY 1988 Budget	Increase (+) or Decrease (-)

Activity 2 - Weapons and Other Combat Vehicles: A net decrease of \$151.5 million resulted from Congressional transfers and reprogramming to other accounts being less than those reflected in the FY86 budget plan reported in the FY87 budget. Shown below are specific reductions by program:

Transferred to other accounts			
DIVAD (AP).....			- 31,533
M240 Machine Gun.....			(- 23,350)
Spares (WOCV).....			(+ 16,000)
Miscellaneous WOCV .....			(- 23,900)
Inflation Adjustment .....			(- 283)
			- 2,300
Transfers anticipated in FY86 budget			-117,715
		Total Net Change	-151,548

**COMPARISON OF FY 1986 FINANCING AS REFLECTED  
IN THE FY 1987 BUDGET WITH FY 1986 FINANCING  
AS SHOWN IN FY 1988 BUDGET**

	(In Thousands of Dollars)		
	Financing Per FY 1987 Budget	Financing Per FY 1988 Budget	Increase (+) or Decrease (-)
<b>Appropriation:</b>			
<b>PROCUREMENT OF WEAPONS &amp; TRACKED COMBAT VEHICLES</b>			
Program Requirements, (Total).....	\$5,044,900	\$4,392,530	\$-652,370
Program Requirements (Service Account).....	( 4,676,800)	(4,037,395)	(-639,405)
Program Requirements (Reimbursable).....	(368,100)	( 355,135)	(- 12,965)
<b>Less:</b>			
Anticipated reimbursements.....	-368,100	- 355,135	+ 12,965 <sup>1/</sup>
<b>Add:</b>			
Unobligated balance available to finance subsequent year budget plans.....	0	+ 355,650	+355,650 <sup>2/</sup>
BUDGET AUTHORITY.....	<u>\$4,676,800</u>	<u>\$4,393,045</u>	<u>\$-283,755</u>
<b>Budget Authority</b>			
Congressional Action.....	4,684,800	4,455,245	-229,555
Transferred to other accounts.....	-8,000	- 62,200	- 54,200 <sup>3/</sup>
Appropriation (adjusted).....	<u>4,676,800</u>	<u>4,393,045</u>	<u>-283,755</u>

1/ The reduction of \$12,965,000 is due to a reduction in the PMS cases received during FY 1986.  
2/ Of the \$355,650,000 reflected, \$188,200,000 was for projected rescissions and \$167,450,000 was for projected transfers to other appropriations.  
3/ The increase of \$54,200,000 was due to the transfer of \$62,200,000 to the Military Personnel, Army Appropriation, accomplished prior to 30 September, 1986. The \$8,000,000 transfer to the RDTE, Combat Vehicle Improvement Program was not approved as of 30 September, 1986.

END

DATE  
FILMED

10-87

INTL