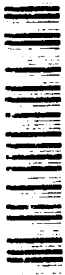


AD-A246 987



DEPARTMENT OF THE ARMY

JUSTIFICATION OF ESTIMATES FOR AMENDED FY 1992/FY 1993 BIENNIAL BUDGET

SUBMITTED TO CONGRESS

JANUARY 1992

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PROCUREMENT OF

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WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

(10)

DEPARTMENT OF THE ARMY
PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

JUSTIFICATION OF ESTIMATES FOR
AMENDED FY 1992/FY 1993 BIENNIAL BUDGET ESTIMATES

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PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Section 1

Budget Appendix Extract

Appropriation 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 interests therein may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes; \$774,910,000 in fiscal year 1992 to remain available for obligation until September 30, 1994; and \$623,441,000 in fiscal year 1993 to remain available for obligation until September 30, 1995.

Procurement of W&TCV, Army
Program and Financing (in thousands of dollars) SUMMARY

Identification code	Budget Plan (amounts for PROCUREMENT actions programed)				Obligations	
	1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Program by activities:						
Direct program:						
00.0101	1,967,729	1,014,813	489,527	2,618,268	1,045,234	980,600
00.0201	123,508	158,997	133,914	200,527	160,932	114,946
00.9101	2,091,237	1,173,810	623,441	2,818,795	1,206,166	1,095,546
01.0101	486,387	99,700	104,900	292,402	360,542	104,900
10.0001	2,577,624	1,273,510	728,341	3,111,197	1,566,708	1,200,446
Financing:						
Offsetting collections from:						
11.0001	-236,780	-7,600	-12,800	-229,304	-7,600	-12,800
13.0001	-223,650	-92,100	-92,100	-160,819	-92,100	-92,100
14.0001	-25,957			-25,776		
17.0001				-334,696		
21.4002						
21.4003	-86,608	-124,000		-1,539,293	-1,311,341	-1,018,143
21.4009	41,412			-86,608	-124,000	
22.0001	5,103			5,103		
24.4002						
24.4003	124,000			1,311,341	1,018,143	546,038
25.0001	4,285			124,000		
				4,285		
39.0001	2,179,429	1,049,810	623,441	2,179,429	1,049,810	623,441
Budget authority:						
40.0001	2,171,237	1,111,096	623,441	2,171,237	1,111,096	623,441
40.3601	-25,808	-124,000		-25,808	-124,000	
40.7503		-286			-286	
42.0001	34,000	63,000		34,000	63,000	
43.0001	2,179,429	1,049,810	623,441	2,179,429	1,049,810	623,441
Relation of obligations to outlays:						
71.0001				2,695,298	1,467,008	1,095,546
72.4001				3,711,197	3,397,986	2,247,370
74.4001				-3,397,986	-2,247,370	-1,504,916
77.0001				-196,114		
78.0001				-334,696		
90.0001				2,477,699	2,617,624	1,838,000

Procurement of W&ICV, Army
Object Classification (in Thousands of dollars) SUMMARY

Identification code	21-2033-0-1-051	1991 actual	1992 est.	1993 est.
Direct obligations:				
Other services:				
125.004	Other	1,069,048	232,688	164,259
126.001	Supplies and materials	40,348	168,783	113,147
131.001	Equipment	1,709,399	804,695	818,140
199.001	Total Direct obligations	2,818,795	1,206,166	1,095,546
Reimbursable obligations:				
Other services:				
225.004	Other	110,896	119,671	31,470
226.001	Supplies and materials	4,185	82,433	4,490
231.001	Equipment	177,321	158,438	68,940
299.001	Total Reimbursable obligations	292,402	360,542	104,900
999.901	Total obligations	3,111,197	1,566,708	1,200,446

Procurement of W&TCV, Army
 Program and Financing (in Thousands of dollars) FISCAL YEAR 1989

Identification code	21-2033-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)			Obligations	
		1991 actual	1992 est.	1993 est.	1991 actual	1992 est.
Program by activities:						
Direct program:						
00.0101	Tracked combat vehicles				371,373	
00.0201	Weapons and other combat vehicles				16,297	
00.9101	Total direct program				387,670	
01.0101	Reimbursable program				904	
10.0001	Total				388,574	
Financing:						
Offsetting collections from:						
11.0001	Federal funds(-)				3,021	
13.0001	Trust funds(-)				61,561	
14.0001	Non-Federal sources(-)				89	
17.0001	Recovery of prior year obligations				-146,959	
21.4002	Unobligated balance available, start of year:					
21.4003	For completion of prior year budget plans				-310,571	
21.4009	Available to finance new budget plans				-25,808	
25.0001	Reprogramming from/to prior year budget plan					
	Unobligated balance expiring				4,285	
40.3601	Budget authority (Appropriation rescinded) (-25,808	

Procurement of W&ICV, Army
 Program and financing (in thousands of dollars) FISCAL YEAR 1990

Budget Plan (amounts for PROCUREMENT
 actions programed)

Identification code	21-2033-0-1-051	Budget Plan (amounts for PROCUREMENT actions programed)			Obligations	
		1991 actual	1992 est.	1993 est.	1991 actual	1992 est.
Program by activities:						
Direct program:						
00.0101	Tracked combat vehicles		1,058,195		189,539	
00.0201	Weapons and other combat vehicles		84,550		58,103	
00.9101	Total direct program		1,142,745		247,642	
01.0101	Reimbursable program			26,518		39,435
10.0001	Total			1,169,263		287,077
Financing:						
Offsetting collections from:						
11.0001	Federal funds(-)			4,455		
13.0001	Trust funds(-)			1,270		
14.0001	Non-Federal sources(-)			92		
17.0001	Recovery of prior year obligations			-187,737		
21.4002	Unobligated balance available, start of year:					
	For completion of prior year budget plans			-1,228,722		-287,077
21.4003	Available to finance new budget plans			-60,800		-10,000
21.4009	Reprogramming from/to prior year budget plan	-60,800	-10,000			
22.0001	Unobligated balance transferred to other acco	45,697				
	Unobligated balance available, end of year:	5,103				
24.4002	For completion of prior year budget plans			287,077		
24.4003	Available to finance subsequent year budget	10,000		10,000		
40.3601	Budget authority (Appropriation rescinded) (-10,000			-10,000

Procurement of W&TCV, Army
 Program and Financing (in Thousands of dollars) FISCAL YEAR 1991

Budget Plan (amounts for PROCUREMENT
 actions programmed)

Identification code	21-2033-0-1-051	1991 actual		1992 est.		1993 est.		1991 actual		1992 est.		1993 est.	
		1991 actual	1992 est.	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.		
Program by activities:													
Direct program:													
00.0101		1,967,729				1,188,700			279,907			499,122	
00.0201		123,508				99,680			14,211			9,617	
00.9101		2,091,237				1,288,380			294,118			508,739	
01.0101		486,387				264,980			221,407				
10.0001		2,577,624				1,553,360			515,525			508,739	

Financing:

Offsetting collections from:

11.0001	Federal funds(-)					-236,780							
13.0001	Trust funds(-)					-223,650							
14.0001	Non-Federal sources(-)					-25,957							
21.4002	Unobligated balance available, start of year:												
21.4003	For completion of prior year budget plans												
24.4002	Available to finance new budget plans					1,024,264						508,739	
24.4003	Unobligated balance available, end of year:					114,000							
	For completion of prior year budget plans												
	Available to finance subsequent year budget												
39.0001	Budget authority	2,205,237				2,205,237			-114,000			-114,000	

Budget authority:

40.0001	Appropriation	2,171,237				2,171,237							
40.3601	Appropriation rescinded (unob bal)								-114,000				
42.0001	Transferred from other accounts	34,000				34,000							
43.0001	Appropriation (adjusted)	2,205,237				2,205,237			-114,000			-114,000	

Procurement of W&ICV, Army
 Program and Financing (in Thousands of dollars) FISCAL YEAR 1992

Budget Plan (amounts for PROCUREMENT
 actions programmed) Obligations

Identification code	21-2033-0-1-051	1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Program by activities:							
Direct program:							
00.0101	Tracked combat vehicles		1,014,813			575,788	218,209
00.0201	Weapons and other combat vehicles		158,997			88,618	36,493
00.9101	Total direct program		1,173,810			664,406	254,702
01.0101	Reimbursable program		99,700			99,700	
10.0001	Total		1,273,510			764,106	254,702
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)		-7,600			-7,600	
13.0001	Trust funds(-)		-92,100			-92,100	
21.4002	Unobligated balance available, start of year: For completion of prior year budget plans						-509,404
24.4002	Unobligated balance available, end of year: For completion of prior year budget plans					509,404	254,702
39.0001	Budget authority		1,173,810			1,173,810	
Budget authority:							
40.0001	Appropriation		1,111,096			1,111,096	
40.7503	Reduction pursuant to P.L. 102-172)		-286			-286	
42.0001	Transferred from other accounts		63,000			63,000	
43.0001	Appropriation (adjusted)		1,173,810			1,173,810	

Procurement of W&ICV, Army
 Program and Financing (in thousands of dollars) FISCAL YEAR 1993

Identification code	21-2033-0-1-051	Budget Plan (amounts for PROCUREMENT actions programed)			Obligations	
		1991 actual	1992 est.	1993 est.	1991 actual	1992 est.
Program activities:						
Direct program:						
00.0.01	Tracked combat vehicles		489,527			263,269
00.0201	Weapons and other combat vehicles		133,914			68,836
00.9101	Total direct program		623,441			332,105
01.0101	Reimbursable program		104,900			104,900
10.0001	Total:		728,341			437,005
Financing:						
Offsetting collections from:						
11.0001	Federal funds(-)		-12,800			-12,800
13.0001	Trust funds(-)		-92,100			-92,100
24.4002	Unobligated balance available, end of year: for completion of prior year budget plans					291,336
40.0001	Budget authority (Appropriation)		623,441			623,441

Procurement of W&TCV, Army
(Rescission Proposal)
Program and Financing (in Thousands of dollars) SUMMARY

Identification code	21-2033-5-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)			Obligations		
		1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Program by activities:							
Direct program:							
00.0101	Tracked combat vehicles	-150,000	-381,300			-318,780	-136,260
00.0201	Weapons and other combat vehicles		-17,600			-10,560	-3,520
00.9101	Total direct program	-150,000	-398,900			-329,340	-139,780
10.0001	Total	-150,000	-398,900			-329,340	-139,780
Financing:							
Unobligated balance available, start of year:							
21.4002	For completion of prior year budget plans					150,000	219,560
21.4003	Available to finance new budget plans		-150,000			-150,000	
Unobligated balance available, end of year:							
24.4002	For completion of prior year budget plans				-150,000	-219,560	-79,780
24.4003	Available to finance subsequent year budget	150,000			150,000		
39.0001	Budget authority		-548,900			-548,900	
Budget authority:							
40.3001	Appropriation rescission proposal (-)		-398,900			-398,900	
40.3101	Appropriation rescission proposal (unob bal)		-150,000			-150,000	
43.0001	Appropriation (adjusted)		-548,900			-548,900	
Relation of obligations to outlays:							
71.0001	Obligations incurred					-329,340	-139,780
72.4001	Obligated balance, start of year					318,362	-318,362
74.4001	Obligated balance, end of year					318,362	230,348
90.0001	Outlays (net)					-10,978	-227,794

Procurement of W&ICV, Army
 (Rescission Proposal)
 Object Classification (in thousands of dollars) SUMMARY

Identification code	21-2033-5-1-051	1991 actual	1992 est.	1993 est.
Direct obligations:				
131.001	Equipment	-	-329,340	-139,780
199.001	Total Direct obligations	-	-329,340	-139,780
999.901	Total obligations	-	-329,340	-139,780

Procurement of W&TCV, Army
(Rescission Proposal)

Program and Financing (in Thousands of dollars) FISCAL YEAR 1991

Budget Plan (amounts for PROCUREMENT actions programed)

Identification code	21-2033-5-1-051	1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Program by activities:							
Direct program:							
00.0101	Tracked combat vehicles	-150,000				-90,000	-60,000
10.0001	Total	-150,000				-90,000	-60,000
Financing:							
21.4002	Unobligated balance available, start of year:						
21.4003	For completion of prior year budget plans					150,000	60,000
	Available to finance new budget plans		-150,000			-150,000	
24.4002	Unobligated balance available, end of year:						
24.4003	For completion of prior year budget plans				-150,000	-60,000	
	Available to finance subsequent year budget	150,000			150,000		
40.3101	Budget authority (Appropriation rescission p		-150,000			-150,000	

Procurement of W&TCV, Army
(Rescission Proposal)
Program and Financing (in Thousands of dollars) FISCAL YEAR 1992

Identification code	Budget Plan (amounts for PROCUREMENT actions programed)				Obligations	
	1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Program by activities:						
Direct program:						
00.0101		-381,300			-228,780	-76,260
00.0201		-17,600			-10,560	-3,520
00.9101		-398,900			-239,340	-79,780
10.0001						
	Total	-398,900			-239,340	-79,780
Financing:						
Unobligated balance available, start of year:						
21.4002						159,560
For completion of prior year budget plans						
Unobligated balance available, end of year:						
24.4002					-159,560	-79,780
For completion of prior year budget plans						
40.3001		-398,900			-398,900	
Budget authority (Appropriation rescission p						

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

Department of the Army Annual Budget Estimate JUSTIFICATION	Appropriation PROCUREMENT OF WEAPONS & TRACKED COMBAT VEHICLES, ARMY				FY1993 Budget
Program or Budget Activity	(Thousands of Dollars)				
Activity 1 - Tracked Combat Vehicles	Actual FY 1991	Estimate FY 1992	Estimate FY 1993	Change FY 1993	Amended Estimate FY 1993
Direct Budget Plan	\$1,817,729	\$633,513	\$454,376	\$35,151	\$489,527

Section 1 - PURPOSE AND SCOPE

Provides for production support of tracked combat vehicle procurements including Abrams Tank and Bradley Fighting Vehicle System. Procures training equipment and associated equipment. The request also provides for modification kits and related production base support.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Tracked Combat Vehicles - The requested funding provides for production support of the following tracked combat vehicles to improve readiness and meet modernization goals: Abrams Tank, and Bradley Fighting Vehicle System. To further improve Army materiel readiness of high priority combat vehicles, funds are requested for the following modification programs: Enhancement of M109 Self-Propelled Howitzers, retrofit of Bradley Fighting Vehicle System with preplanned product improvements, and modification kits for the M1 Series tanks. Each major item included in this request is discussed below:

ABRAMS Training Device Modification (P-1 Line Item No. 1):

	(\$ in Thousands)
FY 1992	FY 1993
-0-	\$1,931

These funds are requested to modify ABRAMS Conduct of Fire Trainers to include optical Improvements made to the ABRAMS tank.

Bradley Fighting Vehicles Family (MYP) (P-1 Line Item No. 2):

	(\$ in Thousands)
FY 1992	FY 1993
\$108,648	\$103,921

These funds are requested for production support of 1200 Bradley Fighting Vehicles procured in FY 90 and FY 91. The Bradley is indispensable to the Mechanized Infantry and Cavalry forces and is compatible with the M1 Main Battle Tank. It provides 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. Interior configuration varies in the Cavalry Fighting Vehicle to allow for differences in crew manning and stowage requirements. All vehicles procured will be A2 versions which incorporate survivability enhancements and other design changes. These FY 92 and FY 93 funds represent annualized support costs and include government and contractor engineering, peculiar support equipment, government test and evaluation costs, and project management administration and fielding costs.

M1 Abrams Tank Training Devices (P-1 Line Item No. 3):

	(\$ in Thousands)
FY 1992	FY 1993
<u>\$7,989</u>	<u>\$ 965</u>

These funds are requested for procurement of Tank Driver Trainers.

Armored Gun System (P-1 Line Item No. 4):

	(\$ in Thousands)
FY 1992	FY 1993
<u>-0-</u>	<u>\$4,747</u>

The funds are requested to procure specialized tooling for the AGS gun tube. The tooling will provide for the production of gun tubes in order to meet initial production of the AGS.

M1 Abrams Tank Series (MYP) (P-1 Line Item No. 5):

	(\$ in Thousands)
FY 1992	FY 1993
<u>\$106,568</u>	<u>\$32,397</u>

These funds are requested to support the production of M1A1 and M1A2 tank procurements in FY 90 and FY 91. Funding includes a Congressional increase for 18 M1A1 tanks to replace Desert Storm losses. The Abrams Tank in M1A1 configuration 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 Abrams counters the enemy threat now and will be effective well into the 1990's. These funds are requested for annualized support costs to include government and contractor engineering, peculiar support equipment, government test and evaluation costs, and project management administration and fielding costs.

Carrier, Mod (P-1 Line Item No. 6):

	(\$ in Thousands)
FY 1992	FY 1993
<u>\$5,700</u>	<u>\$5,720</u>

The 31,000 vehicles in the M113 family of vehicles require continuous modification in order to ensure safety, maintain fleet configuration, reduce logistical burden, and provide operational suitability. Specifically, FY 92/93 funding will be used for: safety of road use; mounting hardware for equipment; improved cooling and suspension systems; tailgate replacement and M577A2 block & tackle system.

Bradley Fighting Vehicle System Series (Mod) (P-1 Line Item No. 7):

	(\$ in Thousands)
FY 1992	FY 1993
<u>\$109,691</u>	<u>\$34,459</u>

These funds are requested to continue retrofit of BFVS Preplanned Product Improvements which were introduced in FY 87. FY 92 and FY 93 provides funding for continued 600-hp powerpack modifications, survivability improvements, and A1 to A2 upgrade. FY 92 and FY 93 funding includes funds to install the Bradley modifications.

Howitzer, Medium, SP, FT, 155 mm, M109 Series (Mod) (P-1 Line Item No. 8):

	(\$ in Thousands)
FY 1992	FY 1993
<u>\$126,075</u>	<u>\$125,412</u>

These funds are requested for procurement and application of M109A6 Paladin (Howitzer Improvement Program) kits. These modifications are designed to improve the readiness and survivability of M109 series howitzers.

Howitzer, Medium, SP, 155mm (Mod) M109A5 (P-1 Line Item No. 9):

	(\$ in Thousands)
FY 1992	FY 1993
<u>\$22,088</u>	<u>\$23,120</u>

These funds are requested for procurement and application of M109A5 kits. These modifications will improve the readiness of M109 series howitzers not scheduled for conversion to the M109A6 (Paladin).

FAASV PIP to Fleet (P-1 Line Item No. 10):

(\$ in Thousands)	
FY 1992	FY 1993
<u>-0-</u>	<u>\$25,847</u>

These funds are requested for procurement and application of modification kits. Modifications to the currently fielded fleet will enhance operational compatibility with the M109A6.

M1 Abrams Tank (Mod) (P-1 Line Item No. 11):

(\$ in Thousands)	
FY 1992	FY 1993
<u>\$79,343</u>	<u>\$25,202</u>

These funds are requested for lethality, survivability, safety, and operational enhancements to the M1 and M1A1 tanks.

Modifications Less Than \$2.0M (TCV-WTCV) (P-1 Line Item No. 12):

(\$ in Thousands)	
FY 1992	FY 1993
<u>\$1,017</u>	<u>\$986</u>

These funds are requested for minor modification to combat vehicles with a cost less than \$2M.

Spares and Repair Parts (TCV-WTCV) (P-1 Line Item No. 13):

(\$ in Thousands)	
FY 1992	FY 1993
<u>-0-</u>	<u>\$52,032</u>

These funds provide for procurement of spares related to tracked combat vehicles. Initial spares support the following systems:

System	FY 1992	FY 1993
M1 Abrams Tank	-0-	\$43,045
Bradley Fighting Vehicle System	-0-	8,987
TOTAL	-0-	\$52,032

Items Less Than \$2 Million (TCV-WTCV) (P-1 Line Item No. 14):

	(\$ in Thousands)	
	FY 1992	FY 1993
	\$203	\$203

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. 15):

	(\$ in Thousands)	
	FY 1992	FY 1993
	\$65,601	\$50,183

These funds are requested to establish and maintain industrial facilities for production and depot level maintenance of major weapon systems such as the M1 Tank and the Bradley Fighting Vehicle Systems. Also provides for environmental restoration of Stratford Army Engine Plant; layaway (to include Packing, Crating & Handling of plant equipment and restoration of facilities); correction of EPA/OSHA, fire and safety deficiencies; and other critical facilities improvements to government owned plants.

Project #	Title	FY 1992	FY 1993
PROVISION OF INDUSTRIAL FACILITIES (PIF)			
49x3002	Concept/Final Design of Construction Projects	700	700
49x6037	Production Support for Lima Army Tank Plant	3,995	7,067
49x6040	Production Support and Equipment Replacement at M1 Facilities	3,500	2,233
19x8173	Environmental Restoration at Stratford Army Engine Plant	25,000	21,696
49x6045	Ventilation of LAMP Welding/Assembly Areas	2,969	
49x6036	Real Property Mmaintenance Detroit	1,022	
6929241	Initial Facility For Production of AGS	3,013	
	TOTAL PROVISION OF INDUSTRIAL FACILITIES (TCV)	40,199	31,696

LAYAWAY OF INDUSTRIAL FACILITIES (LIF)

4Xx4281 Consolidating Decreased Workload at the Detroit Arsenal Tank Plant (DAPP) to a more Efficient Configuration Due to Decreased Production

15,009 14,487
15,009 14,487

TOTAL LAYAWAY OF INDUSTRIAL FACILITIES

DEPOT MAINTENANCE PLANT EQUIPMENT (DMPE)

G9X0053 Equipment To Support Various Tracked Combat Vehicles 1,742 1,315
G9x0253 Equipment to Support the Bradley Fighting Vehicle 3,951 2,685
G927200 Flexible Computer Integrated MFG System, Anniston 4,700

TOTAL DEPOT MAINTENANCE PLANT EQUIPMENT (TCV) 10,393 4,000

Regional Maintenance Training Sites-Equip (P-1 Line Item No. 16):

(\$ in Thousands)
FY 1992 \$590
FY 1993 \$2,402

These funds will procure system components (e.g., M1 engines, M1 transmissions, M60A3 engines) to support training at Regional Maintenance Training Sites. System component requirements are specified in Programs-of-Instruction. These funds will outfit all nineteen standard Regional Maintenance Training Sites to minimum Program-of-Instructions standards.

Department of the Army Annual Budget Estimate JUSTIFICATION	Appropriation PROCUREMENT OF WEAPONS & TRACKED COMBAT VEHICLES, ARMY	FY1992/FY1993 Budget
Program or Budget Project Account		
(Thousands of Dollars)		
Activity 2 - Weapons and Other Combat vehicles	Actual FY 1991	Initial Estimate FY 1993
	Estimate FY 1992	Change FY1993
Direct Budget Plan	\$123,508	\$141,397
		\$119,924
		Amended Estimate FY 1993
		\$ 133,914

Section 1 - PURPOSE AND SCOPE

Provides for procurement of weapons and other combat vehicles including towed howitzers, mortars, machine guns, small arms, and associated equipment. The request also provides for modification kits, 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 120mm Mortar and the M119 Light Howitzer. Funding is also requested for the procurement of the 9mm Subcompact Personal Defense Weapon, Squad Automatic Weapon (SAW), Smoke Grenade Launcher, M4 Carbine, and M16 Rifle. Each item included in this request is discussed below:

Howitzer, Light, Towed, 105MM M119 (P-1 Line Item No. 17):

	(\$ in Thousands)
	FY 1992 FY 1993
	\$36,420 \$47,760

The M119 provides increased range and lethality for the light divisions over the older 105MM models. It is the primary light artillery modernization program for the Army Light Contingency Force. FY 93 funding is required to continue the Army's effort to modernize its light forces.

Machine Gun, 5.56MM (SAW) (P-1 Line Item No. 18):

(\$ in Thousands)
FY 1992
FY 1993
\$5,785 \$9,793

These funds are requested for the procurement of 2316 Squad Automatic Weapons in FY 92 and 4616 in FY 93. 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.

Launcher, Smoke Grenade (P-1 Line Item No. 20):

(\$ in Thousands)
FY 1992
FY 1993
\$1,097 -0-

FY 92 funds will 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. FY 92 funding will to procure 1637 systems in FY 92.

Mortar, 120MM (P-1 Line Item No. 21):

(\$ in Thousands)
FY 1992
FY 1993
\$27,197 \$17,487

These funds are requested to continue procurement of the 120mm Mortar. The 120mm Mortar provides significantly improved growth potential, standardization, and effectiveness compared to the World War II vintage 4.2 inch mortar. These funds procured 433 mortars in FY 92 and will procure 242 in FY 93.

M16 Rifle (P-1 Line Item No. 22):

(\$ in Thousands)
FY 1992
FY 1993
\$24,052 -0-

These funds will provide for procurement of 53,575 rifles in FY 92. The M16A2, an improved version, incorporates improvements in sights, pistol grip, stock, and overall combat effectiveness.

5.56mm Carbine M4 (P-1 Line Item No. 23):

(\$ in Thousands)
FY 1992
FY 1993
\$5,027 \$9,668

The M4 Carbine will provide selected individual soldiers with a compact, lightweight weapon. The weapon is designed to support airborne operations and situations limiting storage or transport space. These funds procure 10,000 carbines in FY 92 and 18,930 in FY 93.

Personal Defense Weapon, 9MM (P-1 Line Item No. 24):

(\$ in Thousands)
FY 1992
FY 1993
\$603 \$788

These funds provide for continued fielding of 9MM pistols to Active Army, Army Reserve, and National Guard. Funding supports Total Package Fielding and First Destination Transportation.

Personal Defense Weapon, 9MM Subcompact (P-1 Line Item No. 25):

(\$ in Thousands)
FY 1992
FY 1993
\$1,910 -0-

These funds will procure 4,080 concealable, 9MM handguns for use by criminal investigation and other selected personnel.

Squad Automatic Weapon (Mod) (P-1 Line Item No. 27):

(\$ in Thousands)
FY 1992
FY 1993
\$2,413 \$3,086

These funds are requested for procurement of optics to improve the capability and effectiveness of selected SAWS.

M16A1 Rifle Mods (P-1 Line Item No. 28):

	(\$ in Thousands)
	<u>FY 1992</u>
	<u>\$4,625</u>
	<u>FY 1993</u>
	<u>\$9,274</u>

These funds are requested to procure optics to increase the effectiveness and improve overall capability of M16A2s.

Modifications Less Than \$2.0 Million (WOCV-WTCV) (P-1 Line Item No. 29):

	(\$ in Thousands)
	<u>FY 1992</u>
	<u>\$635</u>
	<u>FY 1993</u>
	<u>\$1,970</u>

These funds are requested for minor modifications of weapons and other combat vehicles with a cost less than \$2.0 Million.

Spares and Repair Parts (WOCV-WTCV) (P-1 Line Item No. 30):

	(\$ in Thousands)
	<u>FY 1992</u>
	<u>-0-</u>
	<u>FY 1993</u>
	<u>\$609</u>

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

System

	<u>FY 1992</u>	<u>FY 1993</u>
	<u>-0-</u>	<u>\$609</u>

Howitzer, Light, Towed, 105mm, M119

Items Less than \$2.0 Million (WOCV-WTCV) (P-1 Line Item No. 31):

	(\$ in Thousands)
	<u>FY 1992</u>
	<u>\$3,376</u>
	<u>FY 1993</u>
	<u>\$4,482</u>

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 (Weapons and Other Combat Vehicles-WTCV) (P-1 Line Item No. 32):
 (\$ in Thousands)

FY 1992 FY 1993
\$21,057 \$22,092

These funds are requested to continue productivity improvements at the manufacturing facilities at Watervliet Arsenal and Rock Island Arsenal and in production test facilities in support of weapon systems; to provide annual support of the production test facilities at Aberdeen and Yuma Proving Grounds; to layaway industrial equipment excess to production requirements; and to provide initial and replacement depot maintenance plant equipment. End items supported include 105, 120 and 155MM cannons; M198 and M109 Howitzers; MK19 grenade launcher; M16 rifle; and 120 MM mortar.

PROJECT #	TITLE	(\$ in Thousands)	
		FY 1992	FY1993
PROVISION OF INDUSTRIAL FACILITIES (PIF)			
09x5263	Support of Production Test Facilities at Aberdeen Proving Grounds	1,500	2,753
09x5268	Replace Equipment & Instrumentation at Yuma Proving Grounds	1,500	2,806
69x8824	All Angle Simulator Rock Island Arsenal	2,472	
69x8930	Group Technology Rock Island Arsenal	1,007	
69x9048	Computer Integrated Manufacturing Watervliet Arsenal	3,990	
69x9104	Production Scheduling System, Rock Island Arsenal	4,508	
69x9218	Titanium Nitride Coating Facility, Rock Island Arsenal	1,300	
69x9221	Rapid Acquisition of Spare Parts, Watervliet Arsenal	1,848	
69x9229	Shop/Raster Graphics, Rock Island Arsenal		1,327
69x9230	Computer Aided Process Engineering, Rock Island Arsenal		2,940
69x9231	Workbench Decision Support System, Rock Island Arsenal		2,940
69x9324	Tool and Gage Management Control, Rock Island Arsenal		4,524
69x9325	Distributed Numerical Control, Rock Island Arsenal		2,054

TOTAL PROVISION OF INDUSTRIAL FACILITIES (WOCV)	18,125	19,344
<u>LAYAWAY OF INDUSTRIAL FACILITIES (LIF)</u>		
69X7667 Omnibus Packing, Handling and transportation of Excess Equipment		
TOTAL LAYAWAY OF INDUSTRIAL FACILITIES	2,548	2,441
<u>DEPOT MAINTENANCE PLANT EQUIPMENT (DMPE)</u>		
G9x0054 Omnibus Support for WOCV	384	307
TOTAL DEPOT MAINTENANCE PLANT EQUIPMENT		

Industrial Preparedness (P-1 Line Item No. 33):

	(\$ in Thousands)	
	FY 1992	FY 1993
	<u>\$7,200</u>	<u>\$6,905</u>

These funds are requested to maintain those plants and equipment in layaway which will be used in manufacturing critical items needed by the Army, Navy, Marines, National Guard, and Reserves during mobilization; items supported include Mortars M19, M224, M29A1, M252, M30; Cannons M199, M19, M185, M201A1, M119, M102, M198, M39; Grenade Machine Gun MK1; M16 Rifle; Machine Guns M60, M60E3, M2, M60D, FLEXM2; Grenade Launcher M203; M197 Gatling Gun; and M231 Port Firing Weapon.

Project #	Title	FY 1992	FY 1993
INDUSTRIAL PREPAREDNESS			
69x7670	Maintenance of Laidaway Plants & Equipment Armament, Munitions & Chemical Command	3,728	3,455
G9x2100	Maintenance and Rehabilitation of Laidaway Equipment, Depot System Command	3,472	2,700
49x4290	Maintenance of Laidaway Equipment, Tank Automotive Command		750
TOTAL INDUSTRIAL PREPAREDNESS		7,200	6,905

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Section 3

Comparison of Program Requirements and Financing

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Section 3

Comparison of Programming Requirements and Financing

Comparison of FY 1992 program requirements as reflected in the FY 1992/FY 1993 Biennial Budget with FY 1992 program requirements as shown in the Amended FY 1992/FY 1993 Biennial Budget.

Comparison of FY 1992 financing as reflected in the FY 1992/FY 1993 Biennial Budget with FY 1992 financing as shown in the Amended FY 1992/FY 1993 Biennial Budget.

Comparison of FY 1991 program requirements as reflected in the FY 1992/FY 1993 Biennial Budget with FY 1991 program requirements as shown in the Amended FY 1992/FY 1993 Biennial Budget.

Comparison of FY 1991 financing as reflected in the FY 1992/FY 1993 Biennial Budget with FY 1991 financing as shown in the Amended FY 1992/FY 1993 Biennial Budget.

COMPARISON OF FY 1992 PROGRAM REQUIREMENTS
AS REFLECTED IN THE FY 1992/FY 1993 BIENNIAL BUDGET
WITH THE FY 1992 PROGRAM REQUIREMENTS AS
SHOWN IN THE AMENDED FY 1992/FY 1993 BIENNIAL BUDGET
SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation Procurement of Weapons And Tracked Combat Vehicles, Army	FY 1992		Increase (+) or Decrease (-)
	Requirements Per FY 92/93 Biennial Budget	Requirements Per Amended FY 92/93 Biennial Budget *	
Activity 1 - Tracked Combat Vehicles	690,486	1,014,813	324,327
Activity 2 - Weapons and Other Combat Vehicles	<u>148,614</u>	** <u>158,997</u>	<u>10,383</u>
TOTAL	839,100	1,173,810	334,710

EXPLANATION BY ACTIVITY

Activity 1 - Tracked Combat Vehicles - The net increase resulted from Congressional adjustments to Bradley Advance Procurement (\$+50,000), M1 Abrams Tank (\$+46,300), Abrams Upgrade (\$+225,000), Bradley Mod (\$-75,000), M109 Howitzer (\$-34,600), FAASV (\$+60,000), Production Base Support (\$-7,287), General Reduction P.L. 102-172 (\$-.286), DBOF Milcon Capital Budget (\$-1,100), DBOF Technical Correction (\$-1,700), and Desert Storm Supplemental for M1 Tank (\$+63,000). * In addition, \$381,300 is proposed for rescission (see page 3-34).

Activity 2 - Weapons and Other Combat Vehicles - The net increase resulted from Congressional adjustments to MK-19-3 Grenade Launcher (\$+17,600), Production Base Support (\$-5,515), and Industrial Preparedness (\$-1,702). ** \$17,600 is proposed for rescission (see page 3-34).

COMPARISON OF FY 1992 FINANCING
AS REFLECTED IN THE FY 1992/FY 1993 BIENNIAL BUDGET
WITH THE FY 1992 FINANCING AS
SHOWN IN THE AMENDED FY 1992/FY 1993 BIENNIAL BUDGET
(In Thousands of Dollars)

Appropriation	FY 1992		FY 1992 Financing Per Amended FY 92/93 Biennial Budget	Increase (+) or Decrease (-)
	Financing Per FY 92/93 Biennial Budget	Financing Per Amended FY 92/93 Biennial Budget		
Procurement of Weapons And Tracked Combat Vehicles, Army				
Program Requirements (Total)	1,358,200	1,273,510		(84,690)
Program Requirements (Service Account)	839,100	1,173,810		334,710
Program Requirements (Reimbursable)	519,100	99,700		(419,400)
Less:				
Anticipated Reimbursements	(519,100)	(99,700)		419,400
Unobligated Balance Available To Finance New Budget Plans		(124,000)		(124,000)

BUDGET AUTHORITY

Appropriation	839,100	1,049,810	210,710
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EXPLANATION:

The reimbursable program (offsetting collections) decrease resulted from changes in estimated customer requirements.

The unobligated balance available from prior year to finance new budget plans decrease resulted from an FY 1992 proposed rescission.

The unobligated balance available to finance subsequent year budget plans

COMPARISON OF FY 1991 FINANCING
AS REFLECTED IN THE FY 1992/FY 1993 BIENNIAL BUDGET
WITH THE FY 1991 FINANCING AS
SHOWN IN THE AMENDED FY 1992/FY 1993 BIENNIAL BUDGET
(In Thousands of Dollars)

Appropriation	FY 1991		FY 1991 Financing Per Amended FY 92/93 Biennial Budget	Increase (+) or Decrease (-)
	Financing Per FY 92/93 Biennial Budget	Financing Per Amended FY 92/93 Biennial Budget		
Procurement of Weapons And Tracked Combat Vehicles, Army	2,587,137	2,577,624		(9,513)
Program Requirements (Total)	1,993,237	2,091,237		98,000
Program Requirements (Service Account)	593,900	486,387		(107,513)
Less:				
Anticipated Reimbursements	(593,900)	(486,387)		107,513
Unobligated Balance Available To Finance New Budget Plans	(86,608)	(86,608)		0
Add:				
Reprogramming From/To Prior Year Budget Plans		41,412		41,412
Unobligated Balance Transferred To Other Accounts	60,800	5,103		(55,697)
Unobligated Balance Available To Finance Subsequent Year Budget Plans		124,000		124,000
Unobligated Balance Lapsing		4,285		4,285
BUDGET AUTHORITY				
Appropriation	1,967,429	2,179,429		212,000

EXPLANATION:

The reimbursable program (offsetting collections) decrease resulted from customer requirements not materializing as anticipated.

The reprogramming from/to prior year budget plans increase resulted from Army's withdrawal of an Operation Desert Storm reprogramming (\$ + 56,600), an FY 1990 rescission (\$ - 10,000), and lapsed unobligated balance (\$ - 4,285).

The unobligated balance transferred to other accounts decrease resulted from Army's withdrawal of an Operation Desert Storm reprogramming (\$ - 56,600) and MLRS TGW reprogramming (\$ + 903).

The unobligated balance available to finance subsequent year budget plans increase resulted from PY 1990 rescission (\$ + 10,000) and PY 1991 rescission (\$ + 114,000) approved in FY 1992.

**COMPARISON OF FY 1992 PROGRAM REQUIREMENTS
AS REFLECTED IN THE FY 1992/FY 1993 BIENNIAL BUDGET
WITH THE FY 1992 PROGRAM REQUIREMENTS AS
SHOWN IN THE AMENDED FY 1992/FY 1993 BIENNIAL BUDGET**

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation Procurement of Weapons And Tracked Combat Vehicles, Army Supplemental: Rescission Proposal	FY 1992		Increase (+) or Decrease (-)
	Requirements Per FY 92/93 Biennial Budget	Requirements Per Amended FY 92/93 Biennial Budget	
Activity 1 - Tracked Combat Vehicles	(381,300)	(381,300)	(381,300)
Activity 2 - Weapons and Other Combat Vehicles	(17,600)	(17,600)	(17,600)
TOTAL	0	(398,900)	(398,900)

EXPLANATION BY ACTIVITY

Activity 1 - Tracked Combat Vehicles - The net decrease resulted from proposed FY 1992 rescissions to Bradley Advance Procurement (\$ - 50,000), FAASV (\$ - 60,000), M1 Abrams Tank (\$ - 46,300), and Abrams Upgrade (\$ - 225,000).

Activity 2 - Weapons and Other Combat Vehicles - The decrease resulted from a proposed FY 1992 rescission to MK - 19 - 3 Grenade Launcher (\$ - 17,600).

COMPARISON OF FY 1992 FINANCING
AS REFLECTED IN THE FY 1992/FY 1993 BIENNIAL BUDGET
WITH THE FY 1992 FINANCING AS
SHOWN IN THE AMENDED FY 1992/FY 1993 BIENNIAL BUDGET
(In Thousands of Dollars)

Appropriation	FY 1992		Increase (+) or Decrease (-)
	Financing Per FY 92/93 Biennial Budget	Financing Per Amended FY 92/93 Biennial Budget	
Procurement of Weapons And Tracked Combat Vehicles, Army	0	(398,900)	(398,900)
Supplemental: Rescission Proposal	0	(398,900)	(398,900)
Program Requirements (Total)	0	(398,900)	(398,900)
Program Requirements (Service Account)	0	(398,900)	(398,900)
Program Requirements (Reimbursable)	0	0	0
Less:			
Anticipated Reimbursements	0	0	0
BUDGET AUTHORITY			
Appropriation	0	(398,900)	(398,900)

EXPLANATION:

The appropriation decrease resulted from a proposed FY 1992 rescission.

COMPARISON OF FY 1991 PROGRAM REQUIREMENTS
AS REFLECTED IN THE FISCAL YEAR 1993 BIENNIAL BUDGET
WITH THE FY 1991 PROGRAM REQUIREMENTS AS
SHOWN IN THE AMENDED FY 1992/FY 1993 BIENNIAL BUDGET
SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation Procurement of Weapons And Tracked Combat Vehicles, Army Supplemental: Rescission Proposal	FY 1991		Requirements Per Amended FY 92/93 Biennial Budget	Requirements Per Biennial Budget	Increase (+) or Decrease (-)
	Requirements Per FY 92/93 Biennial Budget	Requirements Per Amended FY 92/93 Biennial Budget			
Activity 1 - Tracked Combat Vehicles	(77,000)	(150,000)	(77,000)	(150,000)	(73,000)
TOTAL	(77,000)	(150,000)	(77,000)	(150,000)	(73,000)

EXPLANATION BY ACTIVITY

Activity 1 - Tracked Combat Vehicles - The net decrease resulted an FY 1991 proposed rescission to the M1A1 Tank Upgrade (\$+64,000) and the M1 Abrams Tank (\$+13,000) which did not materialize, and a proposed FY 1992 rescission to the M1 Abrams Tank Advance Procurement (\$-150,000).

COMPARISON OF FY 1991 FINANCING
AS REFLECTED IN THE FY 1992/FY 1993 BIENNIAL BUDGET
WITH THE FY 1991 FINANCING AS
SHOWN IN THE AMENDED FY 1992, FY 1993 BIENNIAL BUDGET
(In Thousands of Dollars)

Appropriation Procurement of Weapons And Tracked Combat Vehicles, Army Supplemental: Rescission Proposal	FY 1991		Increase (+) or Decrease (-)
	Financing Per FY 92/93 Biennial Budget	Financing Per Amended FY 92/93 Biennial Budget	
Program Requirements (Total)	(77,000)	(150,000)	(73,000)
Program Requirements (Service Account)	(77,000)	(150,000)	(73,000)
Program Requirements (Reimbursable)	0	0	0
Less:			
Anticipated Reimbursements	0	0	0
BUDGET AUTHORITY			
Appropriation	(77,000)	(150,000)	(73,000)

EXPLANATION:

The appropriation decrease resulted from an FY 1991 proposed rescission which did not materialize and a proposed FY 1992 rescission.