

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2004

BUDGET ACTIVITY

5 - System Development and Demonstration

PE NUMBER AND TITLE

0604649A - ENGINEER MOBILITY EQUIPMENT DEVELOPMENT

PROJECT

G29

COST (In Thousands)		FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
G29	ENGINEER VEHICLE UPGRADES	7651	0	0	0	0	11160	11935	Continuing	Continuing

A. Mission Description and Budget Item Justification: Armored Vehicle Launched Bridge (AVLB) is an assault bridge system consisting of a scissors type bridge mounted on an M48/M60 based launcher. System supports gap crossings of heavy forces (Abrams/HERCULES/Bradley).

AVLB must complement the Wolverine to meet the assault bridging requirement in the Counter Attack Corps. With an average age of 29 years, the 38 year old AVLB has never had a major upgrade and is plagued with historically low readiness rates, rarely meeting the Department of the Army goal of 90%. Readiness data indicates that the hydraulic/electrical systems contribute significantly to low readiness. Replacing the current 1950's technology hydraulic/electrical systems with current state of practice hardware improves readiness by increasing reliability and by reducing associated supply and obsolescence issues.

This system supports the Current transition path of the Transformation Campaign Plan (TCP).

Accomplishments/Planned Program	FY 2003	FY 2004	FY 2005
Procure hardware for Hydraulic/Electrical Upgrade test vehicles.	250	0	0
Program Management. PM staff, matrix support and administrative support.	1115	0	0
Testing. To procure test SSP (Supply Support Package) and support all test requirements. (Hydraulic/Electrical Upgrade)	300	0	0
Logistics efforts including development of technical manual changes for hydraulic/electrical upgrade.	2000	0	0
Engineering, technical Data Package Development and Documentation for hydraulic/electrical upgrade.	2385	0	0
Hydropneumatic suspension engineering development effort.	1601	0	0
Totals	7651	0	0

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	FY 2003	FY 2004	FY 2005
Previous President's Budget (FY 2004)	7786	0	0
Current Budget (FY 2005 PB)	7651	0	0
Total Adjustments	-135	0	0
Congressional program reductions			
Congressional rescissions			
Congressional increases			
Reprogrammings	-135		
SBIR/STTR Transfer			
Adjustments to Budget Years			

C. Other Program Funding Summary

	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Compl	Total Cost
PA, WTCV, GZ3000, AVLB MOD	9853	0	0	0	0	0	0	0	330130

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<p><u>D. Acquisition Strategy:</u> The hydraulic/electrical systems upgrade redesign incorporates proven current state of practice technology components and is a low risk effort. Engineering and logistics efforts are accomplished with a horizontal contracting initiative using an existing contract with General Dynamics Land Systems (GDLS). Tailored testing will be performed to ensure performance, durability and safety. Procurement funding buys kit hardware and funds application in the field at unit location by contractor teams.</p> <p>Anniston Army Depot will overhaul hydraulic cylinders and reservoirs that will be provided to GDLS for application with upgrade.</p>		