

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)								February 2003		
BUDGET ACTIVITY <b>5 - System Development and Demonstration</b>				PE NUMBER AND TITLE <b>0604649A - ENGINEER MOBILITY EQUIPMENT DEVELOPMENT</b>				PROJECT <b>G29</b>		
COST (In Thousands)	FY 2002 Actual	FY 2003 Estimate	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	8902	7786	0	0	0	0	11268	12056	0	40012
<p><b><u>A. Mission Description and Budget Item Justification:</u></b> 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).</p> <p>AVLB must complement the Wolverine to meet the assault bridging requirement in the Counter Attack Corps. With an average age of 28 years, the 37 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 are significant contributors. Replacing the current 1950's technology hydraulic/electrical systems with state of practice hardware improves readiness by increasing reliability and by reducing associated supply and obsolescence issues.</p> <p>This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).</p>										
<b><u>Accomplishments/Planned Program</u></b>						<b><u>FY 2002</u></b>	<b><u>FY 2003</u></b>	<b><u>FY 2004</u></b>	<b><u>FY 2005</u></b>	
Depot engineering support and application of prototype hardware.						12	0	0	0	
Procure hardware for Hydraulic/Electrical Upgrade test vehicles.						0	250	0	0	
Procure hardware for Full Recap test vehicles.						1280	0	0	0	
Program Management. PM staff, matrix support and administrative support.						754	1600	0	0	
Testing. To procure test SSP (Supply Support Package) and support all test requirements. (Hydraulic/Electrical Upgrade)						0	300	0	0	
Testing. To procure test SSP (Supply Support Package) and support all test requirements. (Full Recap)						801	0	0	0	
Tooling required to build hydraulic/electrical upgrade test vehicles.						0	100	0	0	
Tooling required to build Full Recap test vehicles.						155	0	0	0	
Logistics efforts including development of technical manual changes for hydraulic/electrical upgrade.						0	3055	0	0	
Logistics efforts including development of technical manual changes for Full Recap.						2419	0	0	0	
Engineering, technical Data Package Development and Documentation for hydraulic/electrical upgrade.						0	2481	0	0	
Engineering, technical Data Package Development and Documentation for Full Recap.						3481	0	0	0	

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<u>Accomplishments/Planned Program (continued)</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Totals	8902	7786	0	0

  

<u>B. Program Change Summary</u>	FY 2002	FY 2003	FY 2004	FY 2005
Previous President's Budget (FY 2003)	9202	8146	7109	0
Current Budget (FY 2004/2005 PB)	8902	7786	0	0
Total Adjustments	-300	-360	-7109	0
Congressional program reductions		-90		
Congressional rescissions	-45	-45		
Congressional increases				
Reprogrammings				
SBIR/STTR Transfer	-255	-225		
Adjustments to Budget Years			-7109	

FY04 dollars realigned to fund higher priority programs.

  

<u>C. Other Program Funding Summary</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>To Compl</u>	<u>Total Cost</u>
PA, WTCV, GZ3000, AVL B MOD	3968	9853	0	0	0	0	0	0	0	13821

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<p><b><u>D. Acquisition Strategy:</u></b> The hydraulic/electrical systems upgrade redesign incorporates proven current state of practice technology components and is a low risk effort. Engineering and logistics efforts will be accomplished with a horizontal contracting initiative using an existing contract with General Dynamics Land Systems. Tailored testing will be performed to ensure performance, durability and safety. When development effort is completed, procurement funding will buy kit hardware for application in the field at unit location by contractor teams.</p>		