

| ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)  |                  |                   |   |                     |                     |                     | February 2003         |                       |                       |                       |            |
|---|------------------|-------------------|---|---------------------|---------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------|
| BUDGET ACTIVITY<br>5 - System Development and Demonstration   |                  |                   | PE NUMBER AND TITLE<br>0604611A - JAVELIN |                     |                     |                     |                       | PROJECT<br>499        |                       |                       |            |
| COST (In Thousands)   |                  | FY 2002<br>Actual | FY 2003<br>Estimate                       | FY 2004<br>Estimate | FY 2005<br>Estimate | FY 2006<br>Estimate | FY 2007<br>Estimate   | FY 2008<br>Estimate   | FY 2009<br>Estimate   | Cost to<br>Complete   | Total Cost |
| 499   | JAVELIN (AAWS-M) | 2870              | 467                                       | 956                 | 952                 | 0                   | 0                     | 0                     | 0                     | 0                     | 5716       |
| <p><b><u>A. Mission Description and Budget Item Justification:</u></b> Javelin is a critical system to the operational design of the Army's Objective Force because of its precision strike, man-portability, high reliability, and capability to engage multiple targets (tanks, APCs, bunkers, helicopters, walls, etc). These key system aspects support the Army's transformation to a more versatile, deployable, lethal, survivable, and sustainable force. This program continues the development and evolution of the Army's man-portable anti-tank system, ensuring its effectiveness in support of all three axes of Army Transformation. The Javelin, a replacement for the DRAGON, has a high kill rate against all known armor threats, at extended ranges, under all weather conditions, and in the presence of battlefield obscurants, advanced vehicle camouflage techniques and Active Protection Systems (APS). The system is hardened against countermeasures and does not require extensive training for effective employment. This program provides R&amp;D funding for software improvements to maintain lethality against evolving targets and countermeasures, and increase the robustness of system performance in all environments. This effort includes warhead improvements, Counter Active Protection System (CAPS) improvements, training device improvements, multi-mission capability improvements, and software development. These efforts will ensure Javelin maintains its overmatch capability well into the 21st Century (i.e., 2020). This system supports the Legacy to Objective 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> |            |
| Continue development of Counter Active Protection System/Countermeasures Software   |                  |                   |   |                     |                     |                     | 292                   | 50                    | 25                    | 25                    |            |
| Initiate CAPS Antenna Development   |                  |                   |   |                     |                     |                     | 259                   | 40                    | 281                   | 320                   |            |
| Initiate CAPS technology transfer   |                  |                   |   |                     |                     |                     | 1063                  | 115                   | 125                   | 60                    |            |
| Perform seeker Trade Study/Alternate Guide Modes  |                  |                   |   |                     |                     |                     | 286                   | 50                    | 125                   | 125                   |            |
| Initiate design efforts to restructure the Guidance Electronics Unit  |                  |                   |   |                     |                     |                     | 970                   | 212                   | 400                   | 422                   |            |
| Totals  |                  |                   |   |                     |                     |                     | 2870                  | 467                   | 956                   | 952                   |            |

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BUDGET ACTIVITY

PE NUMBER AND TITLE

PROJECT

**5 - System Development and Demonstration**

**0604611A - JAVELIN**

**499**

| <u><b>B. Program Change Summary</b></u> | FY 2002 | FY 2003 | FY 2004 | FY 2005 |
|---|---------|---------|---------|---------|
| Previous President's Budget (FY 2003)   | 2825    | 489     | 972     | 968     |
| Current Budget (FY 2004/2005 PB)        | 2870    | 467     | 956     | 952     |
| Total Adjustments                       | 45      | -22     | -16     | -16     |
| Congressional program reductions        |         | -5      |         |         |
| Congressional rescissions               |         |         |         |         |
| Congressional increases                 |         |         |         |         |
| Reprogrammings                          | 128     | -3      |         |         |
| SBIR/STTR Transfer                      | -83     | -14     |         |         |
| Adjustments to Budget Years             |         |         | -16     | -16     |

| <u><b>C. Other Program Funding Summary</b></u>            | FY 2002 | FY 2003 | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 | To Compl | Total Cost |
|---|---------|---------|---------|---------|---------|---------|---------|---------|----------|------------|
| Missile Procurement, Army, CC0007, Javelin                | 408676  | 219167  | 140715  | 115664  | 16677   | 19568   | 11560   | 0       | 0        | 2907512    |
| Missile Procurement, Army, CA0269, Javelin Initial Spares | 2328    | 2845    | 3117    | 3027    | 784     | 0       | 0       | 0       | 0        | 24540      |

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| <p><b><u>D. Acquisition Strategy:</u></b> Javelin CAPS/Countermeasures is being developed as part of a sole source procurement through the Javelin Joint Venture. This effort supports the Army Transformation and is being conducted as part of the PEO Tactical Missiles Horizontal Technology Insertion (HTI) initiative. This program has broad application to other tactical missile programs.</p> |   |                |