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| Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Army | | | | | | | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | | | | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | | | | | | | |
| COST (\$ in Millions) | FY 2009 Actual | FY 2010 Estimate | FY 2011 Base Estimate | FY 2011 OCO Estimate | FY 2011 Total Estimate | FY 2012 Estimate | FY 2013 Estimate | FY 2014 Estimate | FY 2015 Estimate | Cost To Complete | Total Cost |
| Total Program Element | 139.100 | 196.393 | 204.481 | 0.000 | 204.481 | 142.105 | 77.172 | 55.339 | 45.659 | Continuing | Continuing |
| 330: ABRAMS TANK IMPROVE PROG | 39.113 | 108.296 | 107.479 | 0.000 | 107.479 | 87.836 | 77.172 | 55.339 | 45.659 | Continuing | Continuing |
| 371: BRADLEY BASE SUSTAIN | 99.987 | 88.097 | 97.002 | 0.000 | 97.002 | 54.269 | 0.000 | 0.000 | 0.000 | Continuing | Continuing |
| A. Mission Description and Budget Item Justification | | | | | | | | | | | |
| <p>This Program Element (PE) corrects vehicle deficiencies identified in Army operations; continues technical system upgrades to include the integration of applicable technologies on ground systems; addresses needed evolutionary enhancements to tracked combat vehicles; and, develops technology improvements which have application to or insertion opportunities across multiple Ground Combat Systems vehicles. This PE provides combat effectiveness and Operating and Support (O&S) cost reduction enhancements for the Abrams tanks and Bradley Fighting Vehicles through a series of product improvements. This project funds improvements to the Abrams Family of Vehicles (FOV). The Abrams mission is to provide necessary firepower, mobility and survivability to overmatch all current and emerging enemy threats in achieving decisive dominant maneuver. The M1A2 SEP (current production model) refers to a System Enhancement Package incorporated on the tank in 1998, which upgraded the M1A2's computer systems and its night vision capabilities. Since that time, the M1A2 SEP has virtually reached its upper limits for space, weight, and power (SWaP). The Abrams tank is expected to be in service through 2045 and will be modernized in accordance with a revised capabilities document to: (1) posture the tank infrastructure to enable incremental growth as a hedge against other risks and contingencies, (2) maintain threat overmatch to deter aggression, project power and protect US interests and allies around the globe - especially with regard to the lessons of counterinsurgency learned during the tanks successful campaigns during Operation Iraqi Freedom, and (3) leverage the mature and relevant technology enhancements from the Army Research & Development Technology base. The Abrams tank must embark on a modernization effort in order to remain relevant and maintain threat overmatch capability. The objective is to maintain Survivability, Combat Overmatch and reduce O&S costs through an evolutionary approach with incremental development. The Bradley Fighting Vehicle System (BFVS) improvements will provide the Heavy Brigade Combat Team (HBCT) with an improved capability to effectively fight in current and future environments. The BFVS improvements will buyback the A3 performance to meet Operational Requirements Document standards and maintain combat over match through a combination of enhanced survivability, mobility and situational awareness subsystems. Improved survivability will leverage and build on lessons learned from Operation Iraqi Freedom to ensure protection against current and future threats in both asymmetric and full spectrum warfare. This provides the Bradley fleet the capability to complement the Abrams Tank and Ground Combat Vehicle in the HBCT. This also provides the HBCT commander with the necessary capabilities to employ the Bradley and Abrams in a combined arms approach as well as appropriate mounted and dismounted schemes of maneuver on current and future battlefields.</p> | | | | | | | | | | | |

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Army | | | | DATE: February 2010 | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | | | |
| B. Program Change Summary (\$ in Millions) | | | | | |
| | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| Previous President's Budget | 143.041 | 190.301 | 205.558 | 0.000 | 205.558 |
| Current President's Budget | 139.100 | 196.393 | 204.481 | 0.000 | 204.481 |
| Total Adjustments | -3.941 | 6.092 | -1.077 | 0.000 | -1.077 |
| • Congressional General Reductions | | 0.000 | | | |
| • Congressional Directed Reductions | | 0.000 | | | |
| • Congressional Rescissions | 0.000 | 0.000 | | | |
| • Congressional Adds | | 7.120 | | | |
| • Congressional Directed Transfers | | 0.000 | | | |
| • Reprogrammings | 0.000 | 0.000 | | | |
| • SBIR/STTR Transfer | -4.006 | -5.299 | | | |
| • Other Adjustments 1 | 0.065 | 4.271 | -1.077 | 0.000 | -1.077 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Army | | | | | | | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | | | | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | | | | PROJECT 330: ABRAMS TANK IMPROVE PROG | | | |
| COST (\$ in Millions) | FY 2009 Actual | FY 2010 Estimate | FY 2011 Base Estimate | FY 2011 OCO Estimate | FY 2011 Total Estimate | FY 2012 Estimate | FY 2013 Estimate | FY 2014 Estimate | FY 2015 Estimate | Cost To Complete | Total Cost |
| 330: ABRAMS TANK IMPROVE PROG | 39.113 | 108.296 | 107.479 | 0.000 | 107.479 | 87.836 | 77.172 | 55.339 | 45.659 | Continuing | Continuing |
| Quantity of RDT&E Articles | | | | | | | | | | | |
| A. Mission Description and Budget Item Justification The Abrams Fleet Modernization program will utilize an evolutionary acquisition approach with incremental development. This incremental approach will provide upgrades identified as critical from Operation Iraqi Freedom, emerging threats, and operational interoperability within the approved requirement documents. The incremental strategy allows Abrams to continuously modernize the fleet and provide timely performance enhancements. After having conducted a Material Development Decision (MDD), Increment 1 will begin in 2010 in the pre-Milestone B phase. By fall 2010 a Preliminary Design Review will be executed, and a Technology Readiness Level (TRL) 6 will be reached by Milestone B. At the same time Increment 2 will begin in the Material Solution Analysis Phase and reach Milestone A by fall 2010. | | | | | | | | | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | | | | | | |
| | | | | | | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| Program #1 Systems Engineering/project management, to include requirements decomposition & flow down, trade studies, modeling & simulation, risk management FY 2009 Accomplishments: FY 2009 FY 2010 Plans: FY 2010 FY 2011 Base Plans: FY 2011 Base | | | | | | | 0.485 | 22.500 | 22.500 | 0.000 | 22.500 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Army | | | | DATE: February 2010 | | | | |
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| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | | | |
| | | | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| FY 2011 OCO Plans: FY 2011 OCO | | | | | | | | |
| Program #2 Vehicle Architecture & Software, to include architecture synthesis and concepting, vetronics and software subsystem definition, power distribution architecture definition, specification development, Net-Centric and IA compliance activities FY 2009 Accomplishments: FY 2009 FY 2010 Plans: FY 2010 FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO | | | | 0.464 | 14.893 | 15.529 | 0.000 | 15.529 |
| Program #3 Lethality Systems, to include cannon integration & characterization, fire control enhancements, future munitions integration, sensor development and integration, specification development FY 2009 Accomplishments: FY 2009 | | | | 0.000 | 6.900 | 7.500 | 0.000 | 7.500 |
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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Army | | | | DATE: February 2010 | | | | |
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| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | | | |
| | | | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| FY 2010 Plans: FY 2010 | | | | | | | | |
| FY 2011 Base Plans: FY 2011 Base | | | | | | | | |
| FY 2011 OCO Plans: FY 2011 OCO | | | | | | | | |
| Program #4 Survivability Systems, to include armor modeling and analysis, system design and integration, hit avoidance and signature management analysis, specification development FY 2009 Accomplishments: FY 2009 FY 2010 Plans: FY 2010 FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO | | | | 0.000 | 6.200 | 7.200 | 0.000 | 7.200 |
| Program #5 Mobility Systems, to include fuel efficiency improvement analysis, reliability/maintainability analysis, track & suspension design, specification development | | | | 0.000 | 7.700 | 7.900 | 0.000 | 7.900 |

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| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | |
| | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| FY 2009 Accomplishments: FY 2009 | | | | | | |
| FY 2010 Plans: FY 2010 | | | | | | |
| FY 2011 Base Plans: FY 2011 Base | | | | | | |
| FY 2011 OCO Plans: FY 2011 OCO | | | | | | |
| Program #6 Auxiliary Systems, to include Auxiliary Power Unit development, Nuclear/ Biological/Chemical detection & protection technology investigation, specification development | | 0.000 | 9.000 | 9.000 | 0.000 | 9.000 |
| FY 2009 Accomplishments: FY 2009 | | | | | | |
| FY 2010 Plans: FY 2010 | | | | | | |
| FY 2011 Base Plans: FY 2011 Base | | | | | | |
| FY 2011 OCO Plans: FY 2011 OCO | | | | | | |
| Program #7 | | 0.283 | 3.000 | 0.500 | 0.000 | 0.500 |

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| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | | PROJECT 330: ABRAMS TANK IMPROVE PROG | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | |
| | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| Battle Command/Communication Integration FY 2009 Accomplishments: FY 2009 FY 2010 Plans: FY 2010 FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO | | | | | | |
| Program #8 Mobility, Survivability, Vetronics and Software Integration FY 2009 Accomplishments: FY 2009 FY 2010 Plans: FY 2010 FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO | | 0.000 | 2.500 | 2.500 | 0.000 | 2.500 |
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| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | PROJECT 330: ABRAMS TANK IMPROVE PROG | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | |
| | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| Program #9 Improved Lethality (Sensor Integration, Advanced Munitions, Cannon Integration). FY 2009 Accomplishments: FY 2009 FY 2010 Plans: FY 2010 FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO | 2.120 | 19.000 | 24.000 | 0.000 | 24.000 |
| Program #10 Government Engineering Support FY 2009 Accomplishments: FY 2009 FY 2010 Plans: FY 2010 FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO | 4.600 | 6.500 | 6.500 | 0.000 | 6.500 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Army | | | DATE: February 2010 | | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | PROJECT 330: ABRAMS TANK IMPROVE PROG | | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | |
| | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| Program #11 Improved Situational Awareness/Supportability/Survivability (e.g. Driver's Rear Facing Camera, 360 Situational Awareness (SA), Active Protection System (APS), Environmental Systems (TMS/NBC), Improved Diagnostics and Embedded Training). FY 2009 Accomplishments: FY 2009 FY 2010 Plans: FY 2010 FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO | | 0.345 | 0.000 | 0.000 | 0.000 | 0.000 |
| Program #12 Advanced Technology Assessments and Insertion (System Engineering/ Electronic Architecture/Battle Command/ Communications) FY 2009 Accomplishments: FY 2009 FY 2010 Plans: FY 2010 | | 26.165 | 0.000 | 0.000 | 0.000 | 0.000 |
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| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | | PROJECT 330: ABRAMS TANK IMPROVE PROG | | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | | | |
| | | | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| FY 2011 Base Plans: FY 2011 Base | | | | | | | | |
| FY 2011 OCO Plans: FY 2011 OCO | | | | | | | | |
| Program #13 Transmission - Integral Generator | | | | 0.000 | 0.000 | 4.200 | 0.000 | 4.200 |
| FY 2009 Accomplishments: FY 2009 | | | | | | | | |
| FY 2010 Plans: FY 2010 | | | | | | | | |
| FY 2011 Base Plans: FY 2011 Base | | | | | | | | |
| FY 2011 OCO Plans: FY 2011 OCO | | | | | | | | |
| Program #14 Test and Evaluation | | | | 0.251 | 0.150 | 0.150 | 0.000 | 0.150 |
| FY 2009 Accomplishments: FY 2009 | | | | | | | | |
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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Army | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | PROJECT 330: ABRAMS TANK IMPROVE PROG | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | |
| | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| FY 2010 Plans: FY 2010 | | | | | |
| FY 2011 Base Plans: FY 2011 Base | | | | | |
| FY 2011 OCO Plans: FY 2011 OCO | | | | | |
| Program #15 GCS Open Architecture Electronic Enhancements (Engineering analysis and investigation in advanced electronic architecture technology opportunities for ground combat systems modernization. FY 2009 Accomplishments: FY 2009 FY 2010 Plans: FY 2010 FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO | 2.400 | 0.000 | 0.000 | 0.000 | 0.000 |
| Program #16 Current Force Common Active Protection System Radar | 2.000 | 1.600 | 0.000 | 0.000 | 0.000 |
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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Army | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | PROJECT 330: ABRAMS TANK IMPROVE PROG | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | |
| | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| FY 2009 Accomplishments: FY 2009 | | | | | |
| FY 2010 Plans: FY 2010 | | | | | |
| FY 2011 Base Plans: FY 2011 Base | | | | | |
| FY 2011 OCO Plans: FY 2011 OCO | | | | | |
| Program #17 Combat Vehicle Electrical Power - 21st Century (Combat Vehicle Evaluation Program (CVEP)-21) | 0.000 | 3.120 | 0.000 | 0.000 | 0.000 |
| FY 2009 Accomplishments: FY 2009 | | | | | |
| FY 2010 Plans: FY 2010 | | | | | |
| FY 2011 Base Plans: FY 2011 Base | | | | | |
| FY 2011 OCO Plans: FY 2011 OCO | | | | | |
| Program #18 | 0.000 | 2.400 | 0.000 | 0.000 | 0.000 |
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| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | | PROJECT 330: ABRAMS TANK IMPROVE PROG | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | |
| | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| Vibration Management Enhancement Program <i>FY 2009 Accomplishments:</i> FY 2009 <i>FY 2010 Plans:</i> FY 2010 <i>FY 2011 Base Plans:</i> FY 2011 Base <i>FY 2011 OCO Plans:</i> FY 2011 OCO | | | | | | |
| Program #19 Small Business Innovative Research/Small Business Technology Transfer Programs (SBIR/STTR) <i>FY 2009 Accomplishments:</i> FY 2009 <i>FY 2010 Plans:</i> FY 2010 <i>FY 2011 Base Plans:</i> FY 2011 Base <i>FY 2011 OCO Plans:</i> FY 2011 OCO | | 0.000 | 2.833 | 0.000 | 0.000 | 0.000 |
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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Army | | | | | | | | | | DATE: February 2010 | |
| APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i> | | | | R-1 ITEM NOMENCLATURE PE 0203735A: <i>Combat Vehicle Improvement Programs</i> | | | | PROJECT 330: <i>ABRAMS TANK IMPROVE PROG</i> | | | |
| <u>B. Accomplishments/Planned Program (\$ in Millions)</u> | | | | | | | | | | | |
| | | | | | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | |
| Accomplishments/Planned Programs Subtotals | | | | | | 39.113 | 108.296 | 107.479 | 0.000 | 107.479 | |
| <u>C. Other Program Funding Summary (\$ in Millions)</u> | | | | | | | | | | | |
| <u>Line Item</u> | <u>FY 2009</u> | <u>FY 2010</u> | <u>FY 2011 Base</u> | <u>FY 2011 OCO</u> | <u>FY 2011 Total</u> | <u>FY 2012</u> | <u>FY 2013</u> | <u>FY 2014</u> | <u>FY 2015</u> | <u>Cost To Complete</u> | <u>Total Cost</u> |
| • Ord. #1: <i>Abrams Upgrade Program (GA0750)</i> | 580.543 | 185.038 | 183.000 | 0.000 | 183.000 | 188.823 | 282.717 | 280.829 | 278.599 | 0 | 1,979.549 |
| • Ord. #2: <i>Abrams Vehicle Modification (GA0700)</i> | 737.057 | 183.262 | 230.907 | 0.000 | 230.907 | 160.137 | 0.000 | 0.000 | 0.000 | 0 | 1,311.363 |
| <u>D. Acquisition Strategy</u> Contractor selection for FY2011 and beyond pending Milestone B decision for Increment 1 and Milestone A decision for Increment 2. | | | | | | | | | | | |
| <u>E. Performance Metrics</u> Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010. | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army | | | | | | | | | | DATE: February 2010 | | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | | | | | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | | | | PROJECT 330: ABRAMS TANK IMPROVE PROG | | | | |
| Product Development (\$ in Millions) | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Systems Engineering/ project management | C | TARDEC Location could not be determined. | 0.000 | 22.500 | | 22.500 | | 0.000 | | 22.500 | Continuing | Continuing | 0 |
| Vehicle Architecture & Software | C/TBD | TBD Location could not be determined. | 0.000 | 14.893 | | 15.529 | | 0.000 | | 15.529 | Continuing | Continuing | 0 |
| Lethality Systems | C/TBD | TBD Location could not be determined. | 0.000 | 6.900 | | 7.500 | | 0.000 | | 7.500 | Continuing | Continuing | 0 |
| Survivability Systems | C/TBD | TBD Location could not be determined. | 0.000 | 6.200 | | 7.200 | | 0.000 | | 7.200 | Continuing | Continuing | 0 |
| Mobility Systems | C/TBD | TBD Location could not be determined. | 0.000 | 7.700 | | 7.900 | | 0.000 | | 7.900 | Continuing | Continuing | 0 |
| Auxiliary Systems | C/TBD | TBD Location could not be determined. | 0.000 | 11.833 | | 9.000 | | 0.000 | | 9.000 | Continuing | Continuing | 0 |
| Cannon Integration | C | ARDEC Location could not be determined. | 0.000 | 12.200 | | 17.500 | | 0.000 | | 17.500 | Continuing | Continuing | 0 |
| Sensor Integration | C | CECOM-NVESD Location could not be determined. | 0.000 | 6.800 | | 6.500 | | 0.000 | | 6.500 | Continuing | Continuing | 0 |
| Battle Command/ Communication Integration | C | CECOM/PEO C3T Location could not be determined. | 0.000 | 3.000 | | 0.500 | | 0.000 | | 0.500 | Continuing | Continuing | 0 |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army | | | | | | | | | | | DATE: February 2010 | | | |
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| Product Development (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | |
| Mobility/Survivability/Vetronics/Software Integration | C | TARDEC Location could not be determined. | 0.000 | 2.500 | | 2.500 | | 0.000 | | 2.500 | Continuing | Continuing | 0 | |
| Improved Situational Awareness/Supportability/Survivability | C/TBD | General Dynamics Sterling Heights, MI | 18.500 | 0.000 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | 0 | |
| Improved Lethality | C | PM MAS | 1.430 | 0.000 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | 0 | |
| Advance Technology Insertion/ Systems Engineering, Electronic Architecture, Battle Command/Comms | C/TBD | General Dynamics Sterling Heights, MI/To Be Determined | 12.020 | 0.000 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | 0 | |
| Transmission - Integral Generator | C/TBD | Allison Transmission Indianapolis, IN | 0.000 | 0.000 | | 4.200 | | 0.000 | | 4.200 | Continuing | Continuing | 0 | |
| Ground Combat Systems (GCS) Open Architecture Electronic Enhancements | C | Curtis Wright Roseland NJ | 0.000 | 0.000 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | 0 | |
| Current Force Common Active Protection System Radar | C/TBD | TBD Location could not be determined. | 0.000 | 1.600 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | 0 | |
| Combat Vehicle Elctrical Power - 21st Century (CVEP-21) | C/CPFF | Allison Transmission Indianapolis, IN | 0.000 | 3.120 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | 0 | |
| Vibration Management Enhancement Program | C/TBD | TBD | 0.000 | 2.400 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | 0 | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army | | | | | | | | | | | DATE: February 2010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|---|------------------------|---|------------|--------------|------------|--|------------|---------------|----------------------------|------------|--------------------------|--|--|--|--|---------|--|--------------|--|-------------|--|---------------|--|--|--|--------------------|------------------------|--------------------------------|------------------------|------|------------|------|------------|------|------------|------|------------------|------------|--------------------------|---------------------|---|---|-------|-------|--|-------|--|-------|--|-------|------------|------------|---|-----------------|--|--|--------|---------|--|---------|--|-------|--|---------|--|--|-------|
| APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i> | | | | R-1 ITEM NOMENCLATURE PE 0203735A: <i>Combat Vehicle Improvement Programs</i> | | | | PROJECT 330: <i>ABRAMS TANK IMPROVE PROG</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Product Development (\$ in Millions) <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th colspan="4"></th> <th colspan="2">FY 2010</th> <th colspan="2">FY 2011 Base</th> <th colspan="2">FY 2011 OCO</th> <th>FY 2011 Total</th> <th colspan="3"></th> </tr> <tr> <th>Cost Category Item</th> <th>Contract Method & Type</th> <th>Performing Activity & Location</th> <th>Total Prior Years Cost</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Cost To Complete</th> <th>Total Cost</th> <th>Target Value of Contract</th> </tr> <tr> <td></td> <td></td> <td>Location could not be determined.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td align="right" colspan="3">Subtotal</td> <td>31.950</td> <td>101.646</td> <td></td> <td>100.829</td> <td></td> <td>0.000</td> <td></td> <td>100.829</td> <td></td> <td></td> <td>0.000</td> </tr> </table> | | | | | | | | | | | | | | | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | | | Location could not be determined. | | | | | | | | | | | | Subtotal | | | 31.950 | 101.646 | | 100.829 | | 0.000 | | 100.829 | | | 0.000 |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Location could not be determined. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | | 31.950 | 101.646 | | 100.829 | | 0.000 | | 100.829 | | | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks Contractor, award date and type of contract is to be determined (TBD) due to ongoing development of acquisition strategy. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Support (\$ in Millions) <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th colspan="4"></th> <th colspan="2">FY 2010</th> <th colspan="2">FY 2011 Base</th> <th colspan="2">FY 2011 OCO</th> <th>FY 2011 Total</th> <th colspan="3"></th> </tr> <tr> <th>Cost Category Item</th> <th>Contract Method & Type</th> <th>Performing Activity & Location</th> <th>Total Prior Years Cost</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Cost To Complete</th> <th>Total Cost</th> <th>Target Value of Contract</th> </tr> <tr> <td>Engineering Support</td> <td>C</td> <td>Various Location could not be determined.</td> <td>5.068</td> <td>6.500</td> <td></td> <td>6.500</td> <td></td> <td>0.000</td> <td></td> <td>6.500</td> <td>Continuing</td> <td>Continuing</td> <td>0</td> </tr> <tr> <td align="right" colspan="3">Subtotal</td> <td>5.068</td> <td>6.500</td> <td></td> <td>6.500</td> <td></td> <td>0.000</td> <td></td> <td>6.500</td> <td></td> <td></td> <td>0.000</td> </tr> </table> | | | | | | | | | | | | | | | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | Engineering Support | C | Various Location could not be determined. | 5.068 | 6.500 | | 6.500 | | 0.000 | | 6.500 | Continuing | Continuing | 0 | Subtotal | | | 5.068 | 6.500 | | 6.500 | | 0.000 | | 6.500 | | | 0.000 |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Engineering Support | C | Various Location could not be determined. | 5.068 | 6.500 | | 6.500 | | 0.000 | | 6.500 | Continuing | Continuing | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | | 5.068 | 6.500 | | 6.500 | | 0.000 | | 6.500 | | | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army | | | | | | | | | | | DATE: February 2010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|--|------------------------|---|------------|--------------|------------|--|------------------|---------------|----------------------------|------------|--------------------------|--------------------|------------------------|--------------------------------|------------------------|--------------|--|--------------|--|---------------|------------------|---------------|--------------------------|----------------------------|--------------------------|---------|------------|---------|------------|-------|------------|---------|--|---|--|-------|-------|--|-------|--|-------|--|-------|------------|------------|---|-----------------|--|--|-------|-------|--|-------|--|-------|--|-------|--|--|-------|
| APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i> | | | | R-1 ITEM NOMENCLATURE PE 0203735A: <i>Combat Vehicle Improvement Programs</i> | | | | PROJECT 330: <i>ABRAMS TANK IMPROVE PROG</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test and Evaluation (\$ in Millions) <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th rowspan="2">Cost Category Item</th> <th rowspan="2">Contract Method & Type</th> <th rowspan="2">Performing Activity & Location</th> <th rowspan="2">Total Prior Years Cost</th> <th colspan="2">FY 2010</th> <th colspan="2">FY 2011 Base</th> <th colspan="2">FY 2011 OCO</th> <th>FY 2011 Total</th> <th rowspan="2">Cost To Complete</th> <th rowspan="2">Total Cost</th> <th rowspan="2">Target Value of Contract</th> </tr> <tr> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> </tr> <tr> <td>Advance Technology Preparation and Testing</td> <td align="center">C</td> <td>Aberdeen Proving Ground MD; Yuma Proving Ground, AZ; White Sands Missile</td> <td align="right">7.000</td> <td align="right">0.150</td> <td></td> <td align="right">0.150</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.150</td> <td align="center">Continuing</td> <td align="center">Continuing</td> <td align="right">0</td> </tr> <tr> <td align="right" colspan="3">Subtotal</td> <td align="right">7.000</td> <td align="right">0.150</td> <td></td> <td align="right">0.150</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.150</td> <td></td> <td></td> <td align="right">0.000</td> </tr> </table> | | | | | | | | | | | | | | Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Advance Technology Preparation and Testing | C | Aberdeen Proving Ground MD; Yuma Proving Ground, AZ; White Sands Missile | 7.000 | 0.150 | | 0.150 | | 0.000 | | 0.150 | Continuing | Continuing | 0 | Subtotal | | | 7.000 | 0.150 | | 0.150 | | 0.000 | | 0.150 | | | 0.000 |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Advance Technology Preparation and Testing | C | Aberdeen Proving Ground MD; Yuma Proving Ground, AZ; White Sands Missile | 7.000 | 0.150 | | 0.150 | | 0.000 | | 0.150 | Continuing | Continuing | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | | 7.000 | 0.150 | | 0.150 | | 0.000 | | 0.150 | | | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th></th> <th>Total Prior Years Cost</th> <th colspan="2">FY 2010</th> <th colspan="2">FY 2011 Base</th> <th colspan="2">FY 2011 OCO</th> <th>FY 2011 Total</th> <th>Cost To Complete</th> <th>Total Cost</th> <th>Target Value of Contract</th> </tr> <tr> <td align="right">Project Cost Totals</td> <td align="right">44.018</td> <td align="right">108.296</td> <td></td> <td align="right">107.479</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">107.479</td> <td></td> <td></td> <td align="right">0.000</td> </tr> </table> | | | | | | | | | | | | | | | Total Prior Years Cost | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract | Project Cost Totals | 44.018 | 108.296 | | 107.479 | | 0.000 | | 107.479 | | | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total Prior Years Cost | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Cost Totals | 44.018 | 108.296 | | 107.479 | | 0.000 | | 107.479 | | | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Exhibit R-4, RDT&E Schedule Profile: PB 2011 Army | | | | | | | | | | | | | | | | | | DATE: February 2010 | | | | | | | | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | | | | | | | | | | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | | | | | | | | | | PROJECT 330: ABRAMS TANK IMPROVE PROG | | | | | | | |
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| Exhibit R-4A, RDT&E Schedule Details: PB 2011 Army | | | DATE: February 2010 | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | PROJECT 330: ABRAMS TANK IMPROVE PROG | | |
| Schedule Details | | | | |
| | Start | | End | |
| Event | Quarter | Year | Quarter | Year |
| Material Development Decision | 2 | 2010 | 2 | 2010 |
| Increment 1 | 2 | 2010 | 2 | 2010 |
| Preliminary Design Review | 3 | 2010 | 3 | 2010 |
| Milestone B | 3 | 2010 | 3 | 2010 |
| Critical Design Review | 2 | 2011 | 2 | 2011 |
| Prototype Testing | 4 | 2010 | 4 | 2012 |
| Milestone C | 1 | 2013 | 1 | 2013 |
| First Unit Equipped | 3 | 2015 | 3 | 2015 |
| Increment 2 | 4 | 2013 | 4 | 2013 |
| Milestone A | 3 | 2010 | 3 | 2010 |
| Preliminary Design Review - 2 | 4 | 2012 | 4 | 2012 |
| Milestone B - 2 | 1 | 2013 | 1 | 2013 |
| Critical Design Review - 2 | 2 | 2014 | 2 | 2014 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Army | | | | | | | | DATE: February 2010 | | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i> | | | | R-1 ITEM NOMENCLATURE PE 0203735A: <i>Combat Vehicle Improvement Programs</i> | | | | PROJECT 371: <i>BRADLEY BASE SUSTAIN</i> | | | |
| COST (\$ in Millions) | FY 2009 Actual | FY 2010 Estimate | FY 2011 Base Estimate | FY 2011 OCO Estimate | FY 2011 Total Estimate | FY 2012 Estimate | FY 2013 Estimate | FY 2014 Estimate | FY 2015 Estimate | Cost To Complete | Total Cost |
| 371: <i>BRADLEY BASE SUSTAIN</i> | 99.987 | 88.097 | 97.002 | 0.000 | 97.002 | 54.269 | 0.000 | 0.000 | 0.000 | Continuing | Continuing |
| Quantity of RDT&E Articles | | | | | | | | | | | |
| A. Mission Description and Budget Item Justification <p>The Bradley Fighting Vehicle System (BFVS) improvements will provide the Heavy Brigade Combat Team (HBCT) with an improved capability to effectively fight in current and future environments. The BFVS improvements will buyback the A3 performance to meet Operational Requirements Document standards and maintain combat over match through a combination of enhanced survivability, mobility and situational awareness subsystems. Improved survivability will leverage and build on lessons learned from Operation Iraqi Freedom to ensure protection against current and future threats in both asymmetric and full spectrum warfare. This provides the Bradley fleet the capability to complement the Abrams Tank and Ground Combat Vehicle in the HBCT. This also provides the HBCT commander with the necessary capabilities to employ the Bradley and Abrams in a combined arms approach as well as appropriate mounted and dismounted schemes of maneuver on current and future battlefields.</p> | | | | | | | | | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | | | | | | |
| | | | | | | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| Program #1 Bradley A3 Block 2 <i>FY 2009 Accomplishments:</i> FY 2009 <i>FY 2010 Plans:</i> FY 2010 <i>FY 2011 Base Plans:</i> FY 2011 Base | | | | | | | 62.500 | 34.800 | 77.102 | 0.000 | 77.102 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Army | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | PROJECT 371: BRADLEY BASE SUSTAIN | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | |
| | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| FY 2011 OCO Plans: FY 2011 OCO | | | | | |
| Program #2 Support Costs FY 2009 Accomplishments: FY 2009 FY 2010 Plans: FY 2010 FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO | 37.487 | 50.831 | 19.900 | 0.000 | 19.900 |
| Program #3 Test Support FY 2009 Accomplishments: FY 2009 FY 2010 Plans: FY 2010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Army | | | | | | | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | | | | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | | | | PROJECT 371: BRADLEY BASE SUSTAIN | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | | | | | | |
| | | | | | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | |
| FY 2011 Base Plans: FY 2011 Base | | | | | | | | | | | |
| FY 2011 OCO Plans: FY 2011 OCO | | | | | | | | | | | |
| Program #4 Small Business Innovative Research/Small Business Technology Transfer Programs (SBIR/STTR) | | | | | | 0.000 | 2.466 | 0.000 | 0.000 | 0.000 | |
| FY 2009 Accomplishments: FY 2009 | | | | | | | | | | | |
| FY 2010 Plans: FY 2010 | | | | | | | | | | | |
| FY 2011 Base Plans: FY 2011 Base | | | | | | | | | | | |
| FY 2011 OCO Plans: FY 2011 OCO | | | | | | | | | | | |
| Accomplishments/Planned Programs Subtotals | | | | | | 99.987 | 88.097 | 97.002 | 0.000 | 97.002 | |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
| Line Item | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | FY 2012 | FY 2013 | FY 2014 | FY 2015 | Cost To Complete | Total Cost |
| • Ord. #1: G80718 Bradley Program | 394.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0 | 394.800 |
| • Ord. #2: GZ2400 Bradley Program (MOD) | 1,095.588 | 768.332 | 215.133 | 0.000 | 215.133 | 0.000 | 44.292 | 46.805 | 46.433 | 122.800 | 2,339.383 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Army | | | | | | | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | | | | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | | | | PROJECT 371: BRADLEY BASE SUSTAIN | | | |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
| Line Item | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | FY 2012 | FY 2013 | FY 2014 | FY 2015 | Cost To Complete | Total Cost |
| • Ord. #3: GZ2500 Bradley Training Devices (MOD) | 10.954 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0 | 15.606 |
| D. Acquisition Strategy | | | | | | | | | | | |
| The Acquisition Strategy for the Bradley A3 Block 2 Program will be addressed as part of the Materiel Development Decision in 3rd quarter FY2010 | | | | | | | | | | | |
| E. Performance Metrics | | | | | | | | | | | |
| Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010. | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army | | | | | | | | | | | DATE: February 2010 | | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | | | | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | | | | PROJECT 371: BRADLEY BASE SUSTAIN | | | | | | |
| Product Development (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | |
| Bradley A3 Block 2 Program | C | To be determined Location could not be determined. | 0.000 | 34.800 | | 77.102 | | 0.000 | | 77.102 | Continuing | Continuing | 0 | |
| Electronic System Modeling | SS/FFP | Curtiss Wright Santa Clarita, CA | 1.408 | 0.000 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | 0 | |
| Vehicle Health Management | SS/FFP | DRS TEM Huntsville, AL | 4.000 | 0.000 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | 0 | |
| Subtotal | | | 5.408 | 34.800 | | 77.102 | | 0.000 | | 77.102 | | | 0.000 | |
| Remarks | | | | | | | | | | | | | | |
| Support (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | |
| PMO | C | PMO Warren, MI | 0.000 | 6.500 | | 6.500 | | 0.000 | | 6.500 | Continuing | Continuing | 0 | |
| Contractor Engineering Support | SS/FFP | BAE San Jose, CA | 0.000 | 40.597 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | 0 | |
| Government Engineering Support | C | Various sites Location could not be determined. | 0.000 | 6.200 | | 13.400 | | 0.000 | | 13.400 | Continuing | Continuing | 0 | |
| Subtotal | | | 0.000 | 53.297 | | 19.900 | | 0.000 | | 19.900 | | | 0.000 | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army | | | | | | | | | | | DATE: February 2010 | | |
| APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i> | | | | R-1 ITEM NOMENCLATURE PE 0203735A: <i>Combat Vehicle Improvement Programs</i> | | | | PROJECT 371: <i>BRADLEY BASE SUSTAIN</i> | | | | | |
| Support (\$ in Millions) | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Remarks | | | | | | | | | | | | | |
| | | | Total Prior Years Cost | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 5.408 | 88.097 | | 97.002 | | 0.000 | | 97.002 | | | 0.000 |
| Remarks | | | | | | | | | | | | | |

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| Exhibit R-4, RDT&E Schedule Profile: PB 2011 Army | | DATE: February 2010 |
| APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i> | R-1 ITEM NOMENCLATURE PE 0203735A: <i>Combat Vehicle Improvement Programs</i> | PROJECT 371: <i>BRADLEY BASE SUSTAIN</i> |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2011 Army | | | DATE: February 2010 | |
| APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development | R-1 ITEM NOMENCLATURE PE 0203735A: Combat Vehicle Improvement Programs | PROJECT 371: BRADLEY BASE SUSTAIN | | |
| Schedule Details | | | | |
| | Start | | End | |
| Event | Quarter | Year | Quarter | Year |
| Bradley A3 Block 2 Program | 3 | 2009 | 3 | 2012 |
| Materiel Development Decision | 2 | 2010 | 2 | 2010 |
| Milestone A | 3 | 2010 | 3 | 2010 |
| Technical Development | 4 | 2010 | 3 | 2012 |
| System Requirements Review | 1 | 2011 | 1 | 2011 |
| System Functional Review | 4 | 2011 | 4 | 2011 |
| Milestone B | 4 | 2012 | 4 | 2012 |

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