Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army										DATE: February 2011	
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 5: *Development & Demonstration (SDD)*				R-1 ITEM NOMENCLATURE PE 0605625A: *Manned Ground Vehicle*							
COST ($ in Millions)	**FY 2010**	**FY 2011**	**FY 2012 Base**	**FY 2012 OCO**	**FY 2012 Total**	**FY 2013**	**FY 2014**	**FY 2015**	**FY 2016**	**Cost To Complete**	**Total Cost**
Total Program Element	76.861	934.366	884.387	-	884.387	1,963.178	1,364.021	732.849	380.600	Continuing	Continuing
FC8: *BCT Ground Combat Vehicle*	76.861	934.366	884.387	-	884.387	1,963.178	1,364.021	732.849	380.600	Continuing	Continuing

Note

Change Summary Explanation:
Funding:
FY10: SBIR/STTR transfer
FY12: Program revisions caused a seven month delay in Milestone A and the subsequent award up to three TD phase contracts (from 4QFY2010 to 3QFY2011). In addition, the revisions are intended to reduce program development costs. Combined, the program revisions caused a significant reduction in FY2012 funding requirements.

A. Mission Description and Budget Item Justification

The Ground Combat Vehicle (GCV) program is based on an Initial Capabilities Document (ICD) that was approved 10 December 2009. In addition, a draft Capabilities Development Document (CDD) has been released by the U.S. Army Training and Doctrine Command (TRADOC). The accomplishments and funding reflected in this justification are based on these documents. Current plans call for a Milestone A review and subsequent award of Technology Development (TD) phase contracts in 3QFY11. Information generated for the Milestone A and program baselines that will be in place after contract awards will provide information to allow future budget justifications at greater levels of detail. In the meantime, the following funding requirements/justifications are based on program office estimates. The FY2012 Accomplishments/Planned Program depicted in the R2a exhibits are consistent with the currently planned GCV strategy/schedule. In addition, it should also be noted that ongoing turmoil related to defense budgets means that the above FY2013 through FY2016 values are still based on the program as defined in the FY2011 President's Budget. It is expected that these will be clarified in the FY13 President's Budget.

The Army requires an Infantry Fighting Vehicle (IFV) capability to rapidly deploy an overmatching infantry squad anywhere on the battlefield. The GCV IFV provides the infantry squad with a highly mobile, protected, transport to the decisive locations on the battlefield. The GCV IFV will provide both destructive fires against threat armored vehicles and direct fire support for the squad during dismounted assaults. It also increases the Infantry's tactical mobility, survivability, and lethality against light and heavy armored threats. The GCV IFV will have a primary weapon system as well as a secondary weapon system consisting of a coaxial mounted machine gun and a commander?s independent weapon station.

The GCV program is using an incremental approach with the GCV IFV development as the first increment. Future increments have not yet been defined. The GCV IFV program will utilize competitive development and a 3-phased approach starting with MS A in 3QFY11 and the 24 month Technology Development phase for up to 3 contractors. A down select will occur at the conclusion of the TD phase. Following a competitive proposal and source selection process, up to two 48 month contracts will be awarded for the Engineering and Manufacturing Development (EMD) phase. During EMD, each contractor will deliver three early prototypes approximately one year after contract award. These early prototypes will consist of selected critical subsystems and will serve to mitigate development risk. Later in EMD each contractor

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will deliver twelve full-up system prototypes and an extensive testing program will be conducted. Milestone C will occur in 3QFY17 and will immediately be followed with award of a Low Rate Initial Production (LRIP) contract.

Four program imperatives have been defined for GCV: 1) meet defined Force Protection requirements, 2) be capable of carrying a full nine Soldier squad, 3) be capable of conducting Full Spectrum operations, and 4) deliver the first production vehicle seven years after award of the TD phase contracts. In addition, program affordability is a cornerstone of the GCV development strategy. In support of these objectives, a Request for Proposal (RFP) was released to industry in November, 2010. Key characteristics of this RFP include: encouraging industry to utilize mature technologies to reduce program cost and risk, tiering/prioiritizing IFV specifications to provide industry with trade space, and providing production and operations and support cost targets. Based on evaluation of proposals, up to three 24 month TD phase contracts will be awarded in 3QFY11. Information generated from the TD phase will inform the requirements generation/maturation process and will lead to a Joint Requirements Oversight Council (JROC) approved CDD prior to Milestone B.

The primary focus of GCV IFV development will be on design integration (i.e., integration of mature components and subsystems). The overall goal of the Technology Demonstration (TD) phase is to complete the Preliminary Design Review (PDR) of the system. In support of PDR, each contractor will be required to develop, fabricate, integrate, and test at least two different subsystem prototypes: Rocket Propelled Grenade (RPG) Protection Subsystem prototype and Mine Blast Subsystem prototype. Additional subsystem prototypes may be defined by contactors to support development. Prototype subsystem testing will be conducted by the Government.

FY11 funding represented in this document does not reflect the restructure to the program as a result of the recently signed Acquisition Decision Memorandum

B. Program Change Summary ($ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	79.583	934.366	1,882.839	-	1,882.839
Current President's Budget	76.861	934.366	884.387	-	884.387
Total Adjustments	-2.722	-	-998.452	-	-998.452
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-2.722	-			
• Other Adjustments 1	-	-	-998.452	-	-998.452

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army			DATE: February 2011
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COST ($ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
FC8: *BCT Ground Combat Vehicle*	76.861	934.366	884.387	-	884.387	1,963.178	1,364.021	732.849	380.600	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

A revised Request for Proposal (RFP) was released by the Government in November, 2010 and up to three TD contracts will be awared 3QFY2011. The FY2012 Accomplishments/Planned Program are consistent with the currently planned Ground Combat Vehicle (GCV) strategy/schedule.

In addition to the above, it should also be noted that ongoing turmoil related to defense budgets means that the above FY2013 through FY2016 values are still based on the program as defined in the FY2011 President's Budget. It is expected that these will be clarified in the FY13 President's Budget.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
Title: Government System Engineering & Program Management	27.736	20.454	36.487
Articles:	0	0	

Description: Provides for basic Government oversight of the Ground Combat Vehicle (GCV) program. Includes funding for government personnel (labor, travel, training, supplies) and other support (other government agencies, support contractors, automated data processing, communications, and equipment).

FY 2010 Accomplishments:

Began initial requirement decomposition and developed a Government design concept for the Ground Combat Vehicle (GCV). Developed MS A required documentation. Staffed and facilitized the GCV competitive Source Selection Evaluation Board (SSEB). Provided integrated program management for all development activities. Provided United States Code (USC), Title 10 program oversight. Developed initial plans associated with contractor management. These funds also covered the costs of travel and the facilities/operational equipment required for effectively executing the program. Also included TRADOC support for requirement analysis, Analysis of Alternatives (AoA) support, and Milestone related reviews.

FY 2011 Plans:

Implement the GCV Management team and execute the GCV management plan. The plan consists of monitoring and analyzing each separate contractor's detailed Integrated Master Schedules (IMS) and the integration and tracking of all GCV activities into a single GCV program level IMS. Standup the GCV Performance Management Baseline (PMB) team and execute the GCV PMB process for each separate contractor. The PMB process consists of monitoring and analyzing each of the separate contractor's PMB. Standup the GCV Design management/Manned System Integration (MSI) team and execute the Design management plan for each separate contractor in order to monitor and track the design development of the Hull, Turret, Suspension, Electrical, Power Train, Fire Control, Armament, Navigation, Command and Control, Communications systems and provide operational and

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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
technical guidance. Monitor the design development of the vehicle's auxiliary systems, testing and training. The government management team will also oversee each separate contractor as they perform systems engineering, requirements analysis, functional analysis, configuration management, risk management, interface management, data management, technical reviews, trade studies, modeling and simulation, specialty engineering, along with software engineering, test and training. Includes the costs of travel and the facilities/operational equipment required for executing the program. Provide integrated program management (i.e. planning, directing, tools and controlling functions), for all development activities to include data and supplier management, program control, government training, procurement and contracts management, operations management for new combat vehicle development. Provide Congressional Title 10 oversight, cost analysis and management, budget development, justification and tracking, Earned Value Management, Integrated Master Schedule development and management, Complementary Program management and operations management associated with contractor management. These funds also cover the costs of travel and the facilities/operational equipment required for effectively executing the program. Also includes TRADOC support for requirement analysis, AoA support, and Milestone reviews. Develops network interfaces and architecture for integrating the GCV into the Army's Battle Command and Communication Network. ***FY 2012 Plans:*** Provide integrated program management for all development activities by continuing to execute the GCV knowledge based management plan and by providing USC Title 10 oversight. The GCV Earned Value Management (EVM) team will continue to evaluate cost and schedule performance against the established Performance Measurement Baseline (PMB) and Integrated Master Schedule (IMS) for each separate contractor. The GCV IPTs will continue to oversee the technical development efforts of each separate contractor in order to monitor and track technical progress related to the development of the various subsystems. This includes review and acceptance of 34 formal contract deliverables for each of the three contractor teams. These deliverables will be used to support execution of the GCV knowledge based management plan. The government management team will also continue to oversee each separate contractor as they perform systems engineering, requirements analysis, functional analysis, configuration management, risk management, interface management, data management, technical reviews, trade studies, modeling and simulation, specialty engineering, software engineering, test and training. COEA submittals will continue and will underpin the Army's understanding of requirements and take contractor's preliminary design. These activities will culminate in a Preliminary Design Review (PDR) currently planned for 1QFY13. Includes the costs of travel and the facilities/operational equipment required for executing the program. Complete an Engineering and Manufacturing Development (EMD) performance specification for inclusion in the EMD Request for Proposal (RFP). Initiate development of approximately 40 documents to support the Milestone B.			
Title: Contractor Systems Engineering/Program Management	49.125	716.108	688.546
Articles:	0	0	

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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
Description: Provides for contractor basic development, engineering, and management for the GCV prime contracts, less prototype hardware and software development (which are captured in the following sections). ***FY 2010 Accomplishments:*** The Technology Development (TD) phase begins immediately after Milestone A (MS A). Up to three prime contracts will be awarded immediately after a successful MS A decision. These contracts were originally planned to be awarded in September, 2010. As a result of Department of Defense (DoD) direction, program revisions have occurred and the contracts will now be awarded late April/early May, 2011. FY10 funds planned for the TD contracts will be placed on the contracts immediately following award. Revised program plans have been predicated upon these funds continuing to be available. Contractor efforts supported with FY10 funds will include preparing for award of subsystem and component sub-contracts and beginning balanced vehicle design focusing on size, weight, power, and cooling requirements. ***FY 2011 Plans:*** In 1QFY11, award subsystem and component provider contracts. Continue vehicle design and integration of subsystems focusing on size, weight, power, and cooling requirements. Include Mobility Systems (propulsion, cooling, suspension, and track); Survivability Systems (armor and structures, signal management, chemical, biological, radiological, nuclear, and explosives); Hit Avoidance Systems (long and short range); Crew Systems and Chassis Auxiliary components (close combat armament system, common crew stations, and auxiliary systems); Core Vetronics (data/signal electronics, and power distribution/management); Lethality Systems (fire control, turret structure, slip ring, ammunition handling system, armament); Mission Module Structure (infantry squad compartment, squad situational awareness, equipment stowage, ramp, and infantryman interfaces). Complete preparation and conduct System Functional Review (SFR) in 2QFY11; verify contractor's ability to meet requirements. Conduct Subsystem Preliminary Design Review (SPDR) in 4QFY11 to ensure subsystems are ready for 2QFY12 competitive testing and 4QFY12 Modeling and Simulation (M&S). ***FY 2012 Plans:*** Continue vehicle design of subsystems focusing on size, weight, power, and cooling requirements. Sub-system Preliminary Design Reviews will be held during the first half of FY2012. Complete the designs for the subsystem test assets. Complete initial delivery of the integrated set of architecture artifacts. Plan, design, and complete the initial fabrication of the GCV IFV System Integration Environment. Provide a GCV IFV Hot Bench to support integration of hardware and software sub-components prior to vehicle level integration. Design and fabricate vehicle and modular armor mock-ups. Prepare for the GCV system level Preliminary Design Review (PDR) in 1QFY13. Complete design studies to allow identification of Engineering and Manufacturing Development (EMD) long lead hardware requirements. Initiate testing related to the subsystem test assets. Perform program management using EVM and TPMs to report cost/schedule/technical status.			
Title: Contractor Prototypes	-	75.689	95.994

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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
Articles:		0	
Description: Provides for procurement and fabrication of subsystem test assets required by the Technology Development (TD) contract and for system level prototypes planned in the EMD phase. Does not include material consumed in support of component level engineering efforts. ***FY 2011 Plans:*** In 1QFY11 begin building subsystems for prototype subsystem testing in 2QFY12. Begin design and build of the indirect driving and 360 degree situational awareness demonstrator. Begin building two (2) Automotive Test Rigs (ATR) and two (2) each of the following key subsystems and their supporting components: Indirect Vision-Driving/Local Situational Awareness demonstrator; Non-Lethal subsystem demonstrator; Hit Avoidance/Active Protection System demonstrator, Mine Blast Test Asset demonstrator. In 2QFY11 develop and begin build of System Integration Laboratories (SIL) and Modeling and Simulations (M&S) programs for government testing and design integration in FY12. 4QFY11: Order long-lead item subsystems for prototype fabrication in 1QFY13. ***FY 2012 Plans:*** Fabricate, integrate, and deliver the subsystem test assets required of each contractor (at a minimum: Rocket Propelled Grenade (RPG) Protection Subsystem Prototype and Mine Blast Subsystem Prototype Test Article).			
Title: Government Tests and Modeling and Simulation	-	2.650	20.395
Articles:		0	
Description: Provides for costs incurred by the government to perform/validate system-related test activities. This element also includes costs of the detailed planning, conduct, support, data reduction, and reports from such testing. The actual test articles (i.e., functionally configured systems) are excluded from this element as they are included in the prototype manufacturing section. ***FY 2011 Plans:*** In 2QFY11 begin development of the System Integration Laboratories (SIL) and Modeling and Simulations (M&S) test procedures for government testing in FY12. Additionally, test planning/coordination and safety requirements development and coordination efforts in support of the Prototype subsystem testing will commence in FY11. Begin building the government's subsystem demonstrator test facility. Plan and develop the Indirect driving and 360 degree situational awareness demonstrators testing procedures, which is intended to verify the operational feasibility of the contractor's indirect vision material solution. Plan and develop the subsystem demonstrator Test SIL requirements and test procedures which will evaluate the contractor's ability to safely and effectively operate the IFV over hard surface, cross country, and urban terrain during day and night operations. Begin development of the ATR test requirements that will be used to evaluate the contractor's design feasibility against the mobility Key Performance Parameter (KPP). The ATR will be tested at a Government test facility to evaluate its automotive			

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army		DATE: February 2011
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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
performance operations in accordance with the draft GCV Operational Mode Summary/Mission Profile (OMS/MP). Additionally, laboratory testing of integrated Engine/Transmission solution against the fuel efficiency KPP will be required. The Mine Blast Test Asset is intended to reflect the Contractor's vehicle structure, and crew and passenger seating. It will be tested against the Level 1 underbelly threats to assess vehicle/mine kit structural integrity and mitigation of harmful accelerations to the crew to support the Governments evaluation of the Survivability and Force Protection KPPs. The Mine Blast Test Asset will be tested at a Government test facility. The Non-Lethal system demonstrator is intended to verify the contractor's design from both a stationary and on the move perspective. Contractors will be allowed to mount their respective systems on a surrogate platform to demonstrate performance on the move. The Non-Lethal system demonstrator will be tested at a Government test facility. Additionally, contractor will be required to test their APS solution set against GCV requirements. If hardware is available for test, APS testing will be tested at a Government test facility. ***FY 2012 Plans:*** All Subsystem test assets will be tested at Government test facilities during FY12 and into FY13. The subsystem test assets will be tested, as required. At a minimum, the Rocket Propelled Grenade (RPG) Protection Subsystem Prototype and Mine Blast Subsystem Prototype Test Article will be tested against relevant threats. An initial draft of the TEMP will be completed and entered into Army/OSD staffing to support the Milestone B. Detailed test planning will be initiated for the Engineering and Manufacturing Development (EMD) phase.			
Title: Contractor Software ***Articles:*** ***Description:*** Provides for contractor software development efforts for the GCV prime contracts. This includes all software related to the various subsystems, training, logistics, vehicle management, and battle command integration. ***FY 2011 Plans:*** Initiate vehicle software development activities in 1QFY11 for supporting FY12 prototype subsystem competitive testing and Modeling and Simulation tests. Define software development plan and schedule. Define and establish software development and integration environments. Initiate work on development of Software Requirements Specification, interface requirements specification, software architecture definition/description, formulate software build plan to align with system and subsystem requirements development, and begin software development and integration. Create vehicle model and selected subsystem models (e.g. Mobility, Survivability, etc.) for M&S. ***FY 2012 Plans:*** Continue the development of initial software build in support of testing of the subsystem test assets. All software requirements and interfaces for the early software build will be baselined to allow software development to complete in support of iterative	-	26.880 0	42.965

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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
software integration. Conduct early software integration using emulators and surrogates to verify correct subsystem behaviors and interfaces. Conduct qualification and regression testing and delivery of the software build to support subsystem level integration. Initiate subsequent software build/development efforts and incrementally build up the functionalities in meeting vehicle delivery schedule. Update software architecture with specific implementation features for all Government furnished software subsystems.			
Title: Contractor Active Protection System ***Articles:*** ***Description:*** Provided Contractor APS support to continue to design, develop, integrate, model/simulate and test the APS. ***FY 2011 Plans:*** Contractor: continue to design, develop, integrate, model/simulate and test the Active Protection System. Continue maturation of the Short Range APS (Execute/Complete the Short Range Design Verification and Test (DVT)) number 2 using 20 Countermeasures that were purchased in FY10, execute Insensitive Munitions testing with the 10 countermeasures and warheads, plan and prepare Short Range Counter Measure Initial Qualification Test (IQT) and Short Range (SR) Active Protection System (APS) Production Qualification test (PQT) in FY12 with the purchase of 159 Countermeasures. Transition the Kinetic Energy (KE Army Technology Objective (ATO) Kinetic Energy Interceptor program into the Long Range APS System, prepare for Long Range Design Verification Test (DVT) number 1 by procuring 10 countermeasures for FY12. Development and Integration of APS Fire Control System: Integrate the Passive Threat Warner, Laser Warning Receiver and APS Radar (integration of the Hit Avoidance System to Common Radar Design Interface (HCRDIF) Full Spectrum Software and Ballistic Radome) with the APS Countermeasure Controller Software and APS Operations Controller Software; Design and Construction of Surrogate Test Vehicle (Trailer).	- 0	92.585	-
Accomplishments/Planned Programs Subtotals	76.861	934.366	884.387

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• G86000: *Ground Combat Vehicle (GCV)*							98.880	785.890	2,209.626	Continuing	Continuing

D. Acquisition Strategy

Pursuant to an Acquisition Decision Memorandum (ADM), signed 23 June 2009, which directed the cancellation of the FCS (BCT) Acquisition Program and the termination of the Manned Ground Vehicle system, the Army chartered the Program Executive Office - Integration. The PEO-I, in order to meet the ADM requirements, initiated the Ground Combat Vehicle program. The program was subsequently transitioned to the Program Executive Officer, Ground Combat Systems (PEO GCS)

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in July, 2010. The strategy is to execute the program in three phases. It will enter the acquisition process at Milestone A (3Q FY11). Approval at Milestone A will immediately be followed by the competitive selection of up to three contractors to execute the Technology Development (TD) phase. The TD phase will consist of designing an Infantry Fighting Vehicle based on requirements defined in the draft Capability Development Document (CDD) and articulated in the Specification included in the GCV Request for Proposal (RFP). Selected sub-system test assets will be delivered in FY12. The TD phase will end with competitive testing & evaluation of the sub-system test assets and the successful completion of a Preliminary Design Review (PDR) (1Q FY13). Upon successful completion of the TD phase the program will complete a Milestone B and enter the Engineering and Manufacturing Development phase (3Q FY13). EMD will end at MS C (3Q FY17). During this phase each contractor will successfully complete a Critical Design Review (CDR) and produce twelve (12) complete prototypes. The EMD phase will end with a competitive down select to one contractor. The selected contractor will execute Low Rate Initial Production (LRIP).

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.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army		DATE: February 2011
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Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011 Cost	FY 2011 Award Date	FY 2012 Base Cost	FY 2012 Base Award Date	FY 2012 OCO Cost	FY 2012 OCO Award Date	FY 2012 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor System Engineering and Prog. Mgt	TBD	TBD:TBD	-	808.693		688.546		-		688.546	Continuing	Continuing	Continuing
Contractor Prototypes	TBD	TBD:TBD	-	75.689		95.994		-		95.994	Continuing	Continuing	Continuing
Contractor Software	TBD	TBD:TBD	-	26.880		42.965		-		42.965	Continuing	Continuing	Continuing
		Subtotal	-	911.262		827.505		-		827.505			

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011 Cost	FY 2011 Award Date	FY 2012 Base Cost	FY 2012 Base Award Date	FY 2012 OCO Cost	FY 2012 OCO Award Date	FY 2012 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government System Engineering and Prog. Mgt	TBD	PM Ground Combat Vehicle:Warren, MI	-	20.454		36.487		-		36.487	Continuing	Continuing	Continuing
		Subtotal	-	20.454		36.487		-		36.487			

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011 Cost	FY 2011 Award Date	FY 2012 Base Cost	FY 2012 Base Award Date	FY 2012 OCO Cost	FY 2012 OCO Award Date	FY 2012 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Tests & Modeling & Simulation	TBD	PM Ground Combat Vehicle:Warren, MI	-	2.650		20.395		-		20.395	Continuing	Continuing	Continuing
		Subtotal	-	2.650		20.395		-		20.395			

	Total Prior Years Cost	FY 2011 Cost	FY 2011 Award Date	FY 2012 Base Cost	FY 2012 Base Award Date	FY 2012 OCO Cost	FY 2012 OCO Award Date	FY 2012 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	934.366		884.387		-		884.387			

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2012 Army		DATE: February 2011
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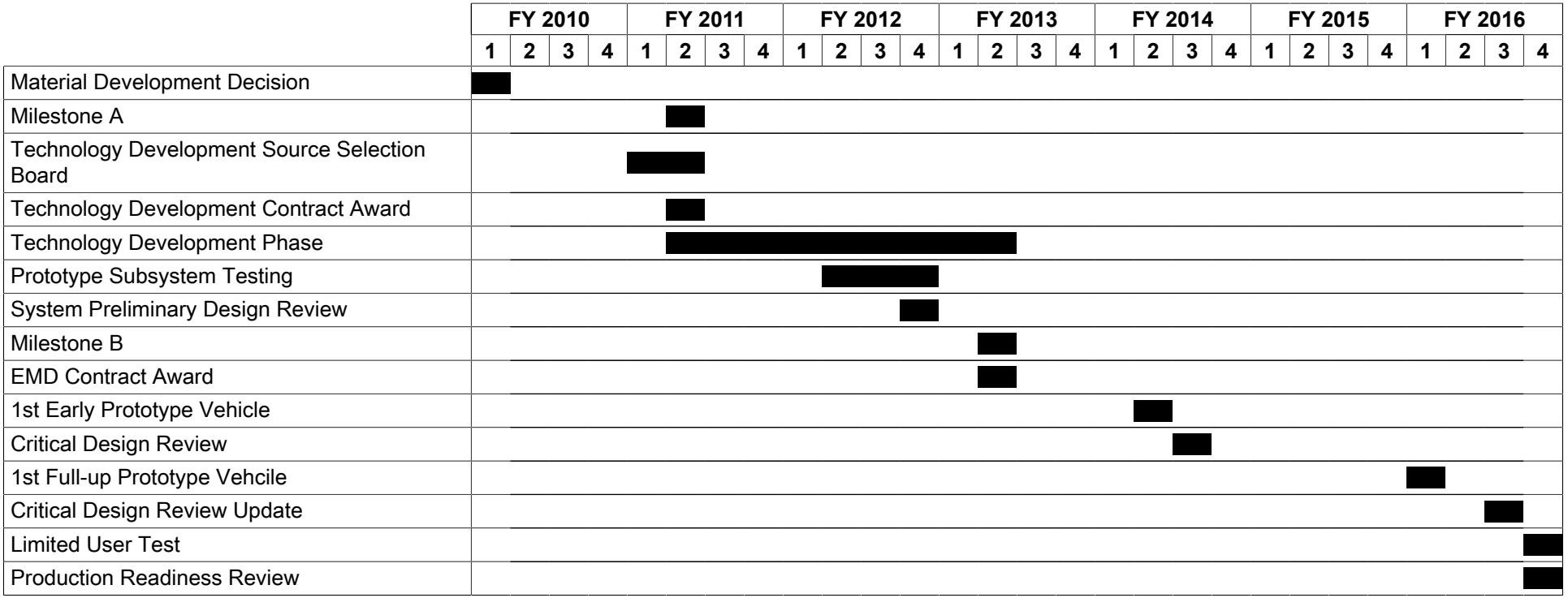

Exhibit R-4A, RDT&E Schedule Details: PB 2012 Army		DATE: February 2011
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Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Material Development Decision	1	2010	1	2010
Milestone A	2	2011	2	2011
Technology Development Source Selection Board	1	2011	2	2011
Technology Development Contract Award	2	2011	2	2011
Technology Development Phase	2	2011	2	2013
Prototype Subsystem Testing	2	2012	4	2012
System Preliminary Design Review	4	2012	4	2012
Milestone B	2	2013	2	2013
EMD Contract Award	2	2013	2	2013
1st Early Prototype Vehicle	2	2014	2	2014
Critical Design Review	3	2014	3	2014
1st Full-up Prototype Vehcile	1	2016	1	2016
Critical Design Review Update	3	2016	3	2016
Limited User Test	4	2016	4	2016
Production Readiness Review	4	2016	4	2016