

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army

DATE: February 2011

APPROPRIATION/BUDGET ACTIVITY
 2040: Research, Development, Test & Evaluation, Army
 BA 2: Applied Research

COST (\$ in Millions)	R-1 ITEM NOMENCLATURE						PROJECT				
	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
H7B: Advanced Materials Initiatives (CA)	61.341	-	-	-	-	-	-	-	-	Continuing	Continuing

Note
 Not applicable for this item.

A. Mission Description and Budget Item Justification
 Congressional Interest Item funding provided for Advanced Materials Initiatives.

B. Accomplishments/Planned Programs (\$ in Millions)

<p>Title: Future Affordable Multi-Utility Materials for the Army Future Combat Systems. Description: This is a Congressional Interest Item.</p>	7.162	-	-
<p>FY 2010 Accomplishments: Investigated rapid composite manufacturing process for vehicle materials, Unmanned Air Vehicles (UAVs), and prosthetics fabrication.</p>	3.979	-	-
<p>Title: Nanomanufacturing of Multifunctional Sensors. Description: This is a Congressional Interest Item.</p>	1.592	-	-
<p>FY 2010 Accomplishments: Investigated materials and process methodologies for affordably producing nano to micro-scale multifunctional chemical/biological warfare agent sensors and structural health monitoring sensors.</p>	3.182	-	-
<p>Title: One-Step JP-8 Bio Diesel Fuel. Description: This is a Congressional Interest Item.</p>			
<p>FY 2010 Accomplishments: Investigated means for producing JP-8 biodiesel in a single step using enzymatic or chemical methods, and utilizing northern climate plants.</p>			
<p>Title: Composite Applied Research and Technology for Future Combat System and Tactical Vehicle Survivability. Description: This is a Congressional Interest Item.</p>			