SBIR 06.2 PHASE I - AWARD DETAILS	
ORGANIZATION	PEO Soldier
TOPIC NUMBER	A06-199
CONTRACT NUMBER	
YEAR OF AWARD	
AWARD START DATE	
AWARD COMPLETION DATE	
PROPOSAL NUMBER	A062-199-1382
TITLE	Focusing a Thermobaric/High Explosive Blast Wave
PROJECT MANAGER	Frank Dindl (973) 600-4953 fdindl@aol.com
COMPANY	Dindl Firearms Manufacturing, Inc. 380 Ridge Road Newton NJ 07860-5363 Minority Owned: No Veteran Owned: No Number of Employees: 1
KEYWORDS	Door breaching, 40mm, explosive, expanding warhead.
ABSTRACT	Dindl Firearms Manufacturing, Inc. proposes the use of an expanding 40mm high explosive warhead to produce the desired blast characteristics at the target. A low risk design is envisioned where the explosive payload weight is similar to the existing M100 GREM. The blast characteristics will be accomplished by expanding and reshaping the explosive payload at the target. Modeling and simulation, combined with limited laboratory experiments in Phase I will be used to explore the feasibility of this approach.
BENEFITS	This concept will have immediate law enforcement and military applications for door breaching. This concept will also provide the basis for significantly improving shape charge warheads to increase target penetration.