

High Mobility Engineer Excavator (HMEE)

Enables units throughout the area of operations to construct combat emplacements and survivability positions via a high mobility earthmoving machine.



DESCRIPTION AND SPECIFICATIONS

The High Mobility Engineer Excavator (HMEE) is a self-deployable excavation system with rapid digging capabilities used to execute a wide range of mobility, countermobility, general engineering and survivability missions (such as crew served weapon positions, command posts, and individual fighting positions).

HMEE is a non-developmental, military-unique vehicle consisting of two programs; the Interim High Mobility Engineer Excavator (IHMEE), ending in FY04, supporting Stryker Brigade Combat Team (SBCT) requirements, and the HMEE (starting in FY05) supporting the engineers in the Army's transformation to the Future Force and the brigade combat team (unit of action). Both types of HMEE are lightweight, all-wheel drive, diesel-engine driven, high-mobility vehicles with backhoe, bucket loader, and other attachments. The HMEE weighs approximately 24,000 pounds, is air-transportable by C-130 aircraft, travels at speeds of more than 40 miles per hour on improved roads, and has off-road mobility, enabling it to maintain pace with the Army's current and future combat systems, and providing rapid movement between battle positions.

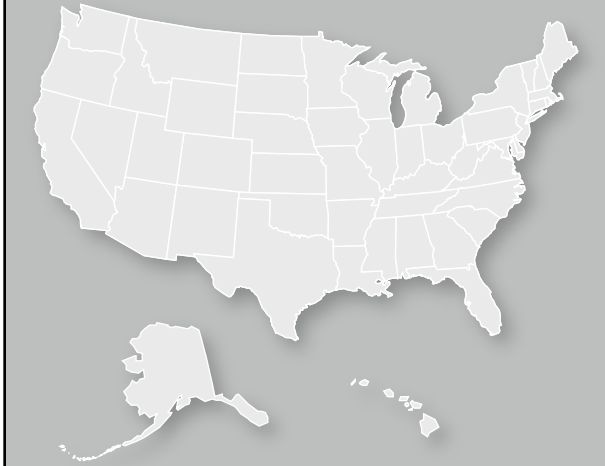
KPPs:	Threshold	Objective
On-road speed (miles per hour)	40	65
Off-road speed (miles per hour)	25	40
Transportability	C130	CH47(2 lifts)
Precision	1/4 cubic yard, 8 feet	1/2 cubic yard, 12 feet
Excavation Lift & Load	1 cubic yard	2.5 cubic yards

PROGRAM STATUS

- 4QFY04–1QFY05 System demonstration testing

PROJECTED ACTIVITIES

- 2QFY05 Release request for proposal
- 3QFY05 Milestone C type classification generic
- 3QFY05 Contract award
- 1QFY06–2QFY06 Production verification test



CONTRACTORS
To be selected

INVESTMENT COMPONENT
Modernization

ACQUISITION PHASE
• Production and Deployment