

HEAVY EQUIPMENT OPERATIONS RECOMMENDED EQUIPMENT LIST

Highest Priority*

MUST HAVE

Personal protective equipment (PPE)	Construction plans including:
Hard hat	Topographical and grade information
Safety glasses	Sight level
Ear protection	Automatic level
Gloves	Laser level
Safety harness	Tripod Pocket
Reflective safety vest	Leveling rod
Barricades	Hand level
Temporary traffic control devices	Leveling rods
Flags and/or paddles	Measuring tape
Respirator cartridges	18" ruler
Samples of marked surveyor stakes:	String
Center line stakes	Two-way communication - hands-free
Offset stakes	Orange traffic cones
Grade stakes	General maintenance hand tools
Slope stakes	Engineering scales
Edge of pavement stakes	100 feet tape measure

High Priority*

REALLY SHOULD HAVE

Computer	Slings
Jars with different types of soil	Rigging hooks
Set of site plans including excavation drawings	Shackles
Marked grade and finish stakes	Various soil types
Markers	

Lower Priority*

NICE TO HAVE

Calculators	Three containers of soil binders,
Functional skid steer	One each of cement, lime, and calcium chloride
Palletized materials	Three containers of soil
Empty container to collect water	

Lowest Priority*

NOT COMPLETELY NECESSARY

Various pieces of heavy equipment:	
Construction Tractors	Dozers
Dump Trucks	Loaders
Roller/Compactors	Forklifts
Scrapers	Motor Graders
Backhoe Loaders	Trenchers
Excavators	Tractor
Tractor Attachments:	
Drawbar/hitch types	Water
PTO types	Lubricating grease
Fuel Engine oil	Grease guns
Hydraulic fluid	Trailer

***NOTE:**

Tool list developed from NCCER curriculum modules

Suggested tools and equipment