

Alabama Fire College

Trench Rescue Technician Course Equipment List

Date: March 2005

TRENCH TOOL KIT (includes all items in shaded area)

	Required items	Quantity	Description / Use
1	3/4" X 4' X 8' sheet of plywood	8	ground pads
2	2"X12"X12' lumber	10	walkboards
3	14' or longer ground ladders	3	entering and exiting trench
4	Trench panels	12	
5	2" X 4" X 6"	80	scabs for bracing
6	Long handle flat shovels	4	moving dirt
7	Short D handle shovels	4	moving dirt
8	wheelbarrow	2	
9	3# short sledge hammer	4	hammering and adjusting shoring
10	2"X4" wedges	20	
11	4"X4" wedges	20	
12	5 gallon buckets	8	lifting dirt
13	10 1/4 inch Electric circular saw	1	cutting
14	7 1/4 circular saw		
15	Carpenter aprons	6	holding equipment
16	tape measures 25', pencils, & levels	6 each	measuring & marking
17	speed square	6	measuring & marking
18	1 inch tubular webbing	200 ft	cut into lengths for removing dirt and panels
19	portable generator	1	3500w min
20	Claw Hammers 16oz	6	hammering and adjusting shoring
21	DuplexNails 16pp	50lb	nailing
22	50' extension cords w/ ground faults	4	electrical
23	Chainsaws	2	cutting
24	Four gas monitor	1	monitoring trench space
25	Ventilation fan w/ extension tube	1	venting the space
26	reciprocating saw (battery or elec)	1	Need metal and wood blades
27	gas spanner wrenches	2	cutting off gas
28	Patient Immobilization device	1	(basket stretcher w/ backboard, sked, etc)

	Additional required items	Quantity	Description / Use
29	4"X 4"X 8' timbers	6	shoring
30	6"X 6"X 12' timbers	6	whalers
31	4"X 6" X 12' timbers	6	shoring
32	air shore kit	1	shoring
33	8# sledge hammer	2	hammering and adjusting shoring
34	18 inch wrecking bar	4	removing shoring
35	60 inch pinch bar	2	adjusting shoring
36	tool box with assorted tools	1	repairing & fixing
37	12' X 16' tarps	2	equipment set up
38	water cooler	1	drinking
39	6 " pvc pipe 12' long	1	filled and capped to meet JPR lifting object off victim
40	5 gallon gasoline can	1	refuel
41	Rescue dummy	1	for rescue
42	Screw jacks	20 sets	shoring
43	Saw horses	1 set	cutting station
44	Type III rescue harnesses	3	victim removal
45	Safety glasses	1 pr stu	eye protection
46	1/2" rope	200 ft	misc. use
47	Electric submersible pump	1	dewatering device
48	Mechanical advantage system	1	removing objects off victim (can be rope/pulley system)
49	Air bag kit	1	(optional way of removing object from victim)
50	Gloves (leather)	1 pr stu	student safety
51	Hard hats	1 pr stu	student safety
52	Entrenching tools	4	hand gardening tools for digging around victim
53	Steel pipe (cut to lengths)	20	to work with screw jacks
54	6"X 6"X 16' timbers	4	for whalers/shoring

Required Props

Must have concrete trench at Permanent Training Facility to hold Field Delivery of this course
Must also have a spoil pile of dirt and dirt for trench