



## Structural Engineering Emergency Response Kit (SEER Go Kit)

The Structural Engineering Emergency Response Kit (SEER Go Kit) is essential for engineers responding to disaster situations. This guide details the recommended gear and supplies to ensure safety and efficiency during assessments.

## 1. GEAR STORAGE

The gear in this guide is best stored in a duffel bag that can be shoulder carried or in a durable roller duffel. Do not pack in a rolling suitcase as terrain and distance to carry may vary. The gear pictured throughout this guide (without the clothing and personal items) fits in the 11"x12"x24" duffel bag pictured:



## 2. PPE

- Hard hat, safety vest, safety glasses
  - Aside from safety, another reason to wear a hardhat and safety vest is to appear official, demonstrating that you are entering people's property in an authorized capacity rather than as a looter.



- Closed toed shoes
  - These do not have to be steel toed shoes. As a second responder, a significant part of your responsibility is to travel numerous miles on foot as you inspect multiple properties. Shoes should provide sufficient ankle support and be broken in and comfortable. Hiking boots are a good solution for footwear.



- Drinking water container
  - This can be a carry bottle like a Nalgene or part of a backpack like a CamelBak. A steel water bottle may be durable but is also much heavier. You should be ready to always carry at least 32 oz.



- Earplugs, gloves, knee pads, mask
  - Earplugs can be a few packages of the disposable foam kind. Knee pads should be well fitting and durable. You may be asked to enter damaged buildings for detailed assessments and the contents of that building may be in disarray. Gloves should be durable but well fitting. A recommendation is extrication-style gloves like the yellow ones pictured above. However, a durable multipurpose glove is also ok. Carrying a few NIOSH N-95 masks may be helpful should light mold, potential asbestos, or dust be encountered in a building. If a more protective mask is necessary, then HAZMAT should be alerted and protection for these conditions should be provided for you.



### 3. LIGHTING

- Flashlight/head lamp and batteries
  - A small hand flashlight is easy to carry. One with a narrowing focus lens is quite helpful to see dark spaces by casting light a fair distance away. Flashlights (and all electronics for that matter) should be powered by simple AA or AAA alkaline batteries since they are easy to acquire or bring with you. Headlamp should have a red-light feature so it can be used in sleeping quarters without waking others on staggered sleep schedules.



## 4. FIRST AID KIT

Please refer to the SEER Trauma Kit and the SEER First Aid Kit

## 5. WEATHER GEAR

- Winter gloves/mittens, thick socks, beanie, wide-brim hat, poncho, or raincoat. All are dependent on the anticipated weather conditions.

## 6. FIELD WORK ITEMS

- Safety whistle, binoculars, multi tool
  - You should be traveling in at least groups of 2. Interior inspections are performed with one person inside and the other outside for safety. The safety whistle can be used by the individual entering the building to signal distress if needed. Binoculars can be used to evaluate HAZMAT situations from a distance or to observe the exterior façade of taller buildings. A multi tool or Swiss army knife is sufficient (see recommendation in first aid kit).
- Backpack
- Clipboard (1/2" deep plastic case to store forms)
- ATC 20 & 45 manuals
  - These are not available as PDF. If you have these manuals they can be separated and scanned so you have an electronic copy.



- Notebook, pens/highlighters, Sharpie
  - This can be a small field manual to take notes. Pens or highlighters in multiple colors can be helpful for marking different conditions or regions on a map for instance. For placards a felt tip or fine tip sharpie is ideal.



- Professional ID or SAP ID card with lanyard & flash drive with credentials/certificates
  - This can be a neck lanyard or a retractable kind like that pictured. ID cards should be visible and easily accessible at all times while in the field. The flash drive can be stored in the lanyard pocket.



- Camara (phone camara is OK) and extra charging battery/cable

- Tape measure or laser distance measuring device
  - A laser distance device may be all that is needed. However, a simple light weight 12' tape measure could be valuable if you do not want the bulk and weight of a tape measure.



- Plastic marking tape, packing tape, staple gun:
  - Marking tape can be caution tape or other bright colored tape for temporary barrier or to cordon off an area of concern. Packing tape and staple gun are to place a placard. If you have a staple gun, be sure to bring plenty of staples.



## 7. PERSONAL ITEMS

- Credit card and cash (\$300)
- Extra clothing for duration of stay:
  - Know the weather forecast and pack appropriately. Long sleeve shirts or long sleeve t-shirts and full-length pants are recommended (even in the summer).
- Personal toiletries
- Personal ID (driver's license)
- Prescription medications for duration of stay +2 days