

Division 12

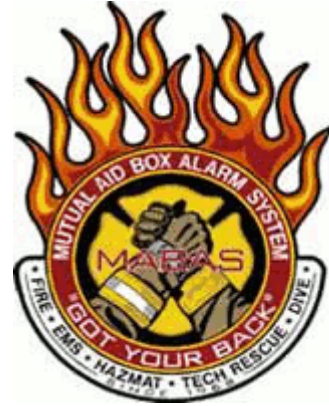
October 2024 - TRT Drill

Host: Glenside Fire Protection District

Date(S): October 7th (Red), 8th (Gold), 9th (Black)

Time: 0900-1200

Topic: Structural Collapse



Description:

The Glenside Fire Protection District is hosting structural collapse training focusing on victim removal in a single-family home. Crews will size up the scene, locate victims, shore up and secure the area, retrieve the victims, and terminate the drill.

Contact:

Jeff Hammond – Glenside Fire Protection District

Contact - (630) 668-5323

Location:

Remote Site

174 Fullerton Glendale Heights, IL

OSMF JPR Objectives

6.2.01 Conduct a size-up of a light frame or unreinforced masonry (URM) collapsed structure ; 6.2.02 Determine potential victim locations in light frame and URM construction collapse incidents ;6.2.03 Develop a collapse incident action plan ;6.2.04 Implement a collapse rescue incident action plan ; 6.2.05 Search a light frame and URM constructed collapsed structure ;6.2.06 Stabilize a collapsed light frame and URM construction structure ;6.2.07 Release a victim from entrapment ;6.2.08 Remove a victim from a light frame and URM construction collapse incident ;6.2.09 Lift a heavy load as a team member ;6.2.10 Move a heavy load as a team member ;6.2.11 Breach light frame and URM construction structural components ;6.2.12 Construct cribbing systems ;6.2.13 Inspect and maintain hazard-specific PPE ;6.2.14 Inspect and maintain rescue equipment ;6.2.15 Terminate an incident.

Apparatus Needed – Structural collapse resources/ division assets, cribbing.

Scheduling Notes:

- 1) TRT training is typically the second Monday, Tuesday, and Wednesday of each month or as modified to address potential or known conflicts in advance.
- 2) The location for the training, when indicated as TBD/ Regional, permits multiple training sessions to occur on the same date and the same topic, however, at a location that better accommodates TRT team members. Locations will be finalized one month prior to the training date.

DIVISION 12 TRT INSTRUCTOR GUIDE
LESSON PLAN

Lesson Title: Collapse Rescue	
Level of Instruction: Operations	
Method of Instruction: Hands-on	
Learning Objective: Structural Collapse victim removal.	
References: FEMA FOG; OSFM Structural collapse; Jones & Bartlett Technical Rescue	
Location: 174 Fullerton Glendale Heights, IL	
Time/dates: October 7 th , 8 th , and 9 th	
Instructor: Jeff Hammond	
Materials Needed: Structural collapse resources/ division assets, cribbing.	
Safety Hazards / Identification: During the training, you will participate in a live load drill. To ensure your safety while working on or around the collapsed pile, you must wear safety equipment. This includes a helmet, safety glasses, work gloves, N95 mask, and hearing protection if required for the task at hand.	
Step #1 Lesson Preparation: Rescue the victim from the collapsed structure by utilizing the tools given by the TRT squad. Before completing the training, the instructor must carefully review the rescue team's ultimate goals and appoint a safety officer to guide them.	
Step #2 Presentation: <ul style="list-style-type: none"> - This is a simulated collapsed house. - The scenario is that victims in the house cannot get themselves out. - We want to preserve the integrity of the house. - When pressurizing shores, do not over-pressurize. - When cutting or breaching holes, please keep cuts and everything within the confines of the cut. - If something is painted green, you can cut or breach. If it is painted red, or no color at all, please do not cut or breach. When in doubt, ask an instructor. <p>The duty crew will assist when available. They will do an initial size-up, search for victims from outside the house, and monitor the area. They will also man the cut station if we do not have enough outside participation.</p>	Step # 3 Application: <ul style="list-style-type: none"> -Create and execute IAP from scene size-up -Breach to affect a rescue -Build a system to lift and move a heavy load to affect a rescue -Stabilize a load to protect the victim using cribbing -Release/remove the victim from the collapsed structure <p>See attached OSFM objectives.</p>

DIVISION 12 TRT INSTRUCTOR GUIDE
LESSON PLAN

Step #4 Evaluation: SWBAT (Student will be able to) successfully demonstrate the abovementioned skills. The instructor shall complete a Target Solutions assignment acknowledging that all participants have completed the skills reviewed.

OSFM Objectives – Select all that apply

	Rope Operations
<input type="checkbox"/>	6.1.01 Direct a team
<input type="checkbox"/>	6.1.02 Direct a lowering operation
<input type="checkbox"/>	6.1.03 Construct a multiple-point anchor system
<input type="checkbox"/>	6.1.04 Construct a compound rope mechanical advantage system
<input type="checkbox"/>	6.1.05 Construct a fixed rope system
<input type="checkbox"/>	6.1.06 Direct the operation of a compound rope mechanical advantage system
<input type="checkbox"/>	6.1.07 Ascend a fixed rope in a high-angle environment
<input type="checkbox"/>	6.1.08 Descend a fixed rope in a high-angle environment
	Rope Technician
<input type="checkbox"/>	6.2.01 Complete an assignment
<input type="checkbox"/>	6.2.02 Manage the movement of the victim
<input type="checkbox"/>	6.2.03 Function as a litter tender
<input type="checkbox"/>	6.2.04 Direct a team (victim removal)
<input type="checkbox"/>	6.2.05 Direct a team (highline construction)
<input type="checkbox"/>	6.2.06 Direct a team (highline operation)
<input type="checkbox"/>	6.2.07 Access a victim
<input type="checkbox"/>	6.2.08 Isolate and manage potentially harmful energy sources
	Confined Space Operations
<input type="checkbox"/>	7.2.01 Initiate a Search Inside a Confined Space in those Areas Immediately Visible
<input type="checkbox"/>	7.2.02 Perform Size-up of a Confined Space
<input type="checkbox"/>	7.2.03 Conduct Monitoring of the Environment
<input type="checkbox"/>	7.2.04 Assess the Incident
<input type="checkbox"/>	7.2.05 Control Hazards
<input type="checkbox"/>	7.2.06 Apply and Use Self-Contained Breathing Apparatus (SCBA) as a Rescue Entrant
<input type="checkbox"/>	7.2.07 Apply and Atmospheric Respirator to a Victim
<input type="checkbox"/>	7.2.08 Perform Full Spinal Immobilization of a Victim Inside a Confined Space
<input type="checkbox"/>	7.2.09 Prepare for Entry into Horizontally Oriented Confined Space
<input type="checkbox"/>	7.2.10 Enter a Horizontally Oriented Confined Space for Rescue

DIVISION 12 TRT INSTRUCTOR GUIDE
LESSON PLAN

<input type="checkbox"/>	7.2.11 Package a Victim in a Litter for Removal from a Horizontally Oriented Confined Space
<input type="checkbox"/>	7.2.12 Assemble a Portable Anchor System for Application of a High Point of Attachment
<input type="checkbox"/>	7.2.13 Prepare for Entry into Vertically Oriented Confined Space
<input type="checkbox"/>	7.2.14 Enter a Vertically Oriented Confined Space for Rescue
<input type="checkbox"/>	7.2.15 Package a victim in a litter for removal from a horizontally oriented confined space
<input type="checkbox"/>	7.2.16 Access and Rapidly Remove a Victim from a Vertically Oriented Confined Space
<input type="checkbox"/>	7.2.17 Remove Entrants from a Confined Space
<input type="checkbox"/>	7.2.18 Terminate a Technical Rescue Operation
	Confined Space Technician
<input type="checkbox"/>	7.3.1 Initiate a Search Inside a Confined Space in those Areas Not Immediately Visible
<input type="checkbox"/>	7.3.2 Pre-Plan a Confined Space Incident
<input type="checkbox"/>	7.3.3 Apply and Use Supplied-Air Respirators (SARs) as a Rescue Entrant
<input type="checkbox"/>	7.3.4 Perform a Short Spinal Immobilization of a Victim Inside a Confined Space
<input type="checkbox"/>	7.3.5 Prepare for Entry into the Confined Space with a Hazardous Atmosphere
<input type="checkbox"/>	7.3.6 Enter a Confined Space with Atmospheric Hazards
	Trench Operations
<input type="checkbox"/>	8.1.01 Conduct a size-up
<input type="checkbox"/>	8.1.02 Implement a trench emergency action plan
<input type="checkbox"/>	8.1.03 Implement support operations
<input type="checkbox"/>	8.1.04 Support a nonintersecting straight wall trench
<input type="checkbox"/>	8.1.05 Terminate a technical rescue operation
<input type="checkbox"/>	8.1.06 Remove a victim from a trench
<input type="checkbox"/>	8.1.07 Disassemble support systems
	Trench Technician
<input type="checkbox"/>	8.2.01 Support an intersecting trench as a member of a team
<input type="checkbox"/>	8.2.02 Install supplemental sheeting and shoring for each two feet of depth below a shoring system
<input type="checkbox"/>	8.2.03 Construct load stabilization systems
<input type="checkbox"/>	8.2.04 Lift a load
<input type="checkbox"/>	8.2.05 Coordinate the use of heavy equipment
<input type="checkbox"/>	8.2.06 Release a victim from entrapment by components of a collapsed trench
	Structural Collapse Operations
<input checked="" type="checkbox"/>	6.2.01 Conduct a size-up of a light frame or unreinforced masonry (URM) collapsed structure
<input checked="" type="checkbox"/>	6.2.02 Determine potential victim locations in light frame and URM construction collapse incidents
<input checked="" type="checkbox"/>	6.2.03 Develop a collapse incident action plan
<input checked="" type="checkbox"/>	6.2.04 Implement a collapse rescue incident action plan

DIVISION 12 TRT INSTRUCTOR GUIDE
LESSON PLAN

<input checked="" type="checkbox"/>	6.2.05 Search a light frame and URM constructed collapsed structure
<input checked="" type="checkbox"/>	6.2.06 Stabilize a collapsed light frame and URM construction structure
<input checked="" type="checkbox"/>	6.2.07 Release a victim from entrapment
<input checked="" type="checkbox"/>	6.2.08 Remove a victim from a light frame and URM construction collapse incident
<input checked="" type="checkbox"/>	6.2.09 Lift a heavy load as a team member
<input checked="" type="checkbox"/>	6.2.10 Move a heavy load as a team member
<input checked="" type="checkbox"/>	6.2.11 Breach light frame and URM construction structural components
<input checked="" type="checkbox"/>	6.2.12 Construct cribbing systems
<input checked="" type="checkbox"/>	6.2.13 Inspect and maintain hazard-specific PPE
<input checked="" type="checkbox"/>	6.2.14 Inspect and maintain rescue equipment
<input checked="" type="checkbox"/>	6.2.15 Terminate an incident
	Structural Collapse Technician
<input type="checkbox"/>	6.3.01 Conduct a size-up of a collapsed heavy construction-type structure
<input type="checkbox"/>	6.3.02 Determine potential victim locations in a heavy construction-type incident
<input type="checkbox"/>	6.3.03 Develop a collapse rescue incident action plan
<input type="checkbox"/>	6.3.04 Implement a collapse rescue incident action plan
<input type="checkbox"/>	6.3.05 Search a heavy construction type collapsed structure
<input type="checkbox"/>	6.3.06 Stabilize a collapsed heavy construction type structure as a member of a team
<input type="checkbox"/>	6.3.07 Release a victim from entrapment by components of a heavy construction type collapse
<input type="checkbox"/>	6.3.08 Remove a victim from a heavy construction type collapse incident
<input type="checkbox"/>	6.3.09 Lift a heavy load as a team member
<input type="checkbox"/>	6.3.10 Move a heavy load as a team member
<input type="checkbox"/>	6.3.11 Breach heavy structural components
<input type="checkbox"/>	6.3.12 Construct cribbing systems
<input type="checkbox"/>	6.3.13 Stabilize a collapsed heavy construction type structure as a member of a team
<input type="checkbox"/>	6.3.14 Cut through structural steel
<input type="checkbox"/>	6.3.15 Coordinate the use of heavy equipment
	Vehicle Machinery Technician (VMT)
<input type="checkbox"/>	08.3.1 Create an Incident Action Plan for a Commercial or Heavy Vehicle
<input type="checkbox"/>	08.3.2 Stabilize Commercial / Heavy Vehicle
<input type="checkbox"/>	08.3.3 Determine the Heavy Vehicle Access & Egress Points
<input type="checkbox"/>	08.3.4 Create Access and Egress Points for Heavy Vehicle
<input type="checkbox"/>	08.3.5 Disentangle Victim(s)
<input type="checkbox"/>	08.3.6 Isolate and Mitigate Potentially Harmful Energy Sources
<input type="checkbox"/>	12.3.1 Plan for a large machinery incident
<input type="checkbox"/>	12.3.2 Stabilize large machinery
<input type="checkbox"/>	12.3.3 Determine large machinery access and egress points
<input type="checkbox"/>	12.3.4 Create access and egress openings for rescue from large machi
<input type="checkbox"/>	12.3.5 Disentangle victim(s)